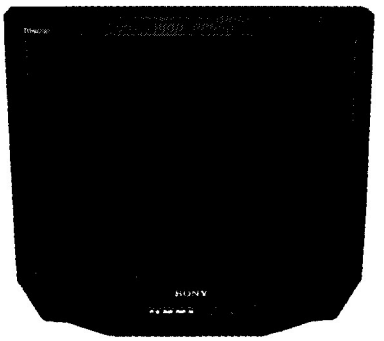
SERVICE MANUAL AA-2D CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-27S22	RM-Y135A	US	SCC-K96D-A
KV-27S22	RM-Y135A	CND	SCC-K97C-A
KV-27S26	RM-Y136A	US	SCC-K96P-A
KV-27S26	RM-Y136A	CND	SCC-K97L-A
KV-27S36	RM-Y136A	US	SCC-K96Q-A
KV-27S36	RM-Y136A	CND	SCC-K97M-A
KV-29PS2	RM-Y135A	MX	SCC-N02A-A
KV-29RS22	RM-Y135A	E	SCC-K98C-A
KV-29RS22C	RM-Y135A	E	SCC-K98B-A
KV-29RS26	RM-Y136A	E	SCC-K98M-A
KV-29RS26C	RM-Y136A	E	SCC-K98N-A
KV-29SD2	RM-Y135A	E	SCC-K98D-A

Note Adjustment Manual for this model is published separately

	Adjustment Manual
Part No.	9-965-829-01

RM-Y136A



KV-27S36

TRINITRON® COLOR TV

SONY®

SPECIFICATIONS

For all models:

Television system	American TV standard
Channel coverage	VHF 2-13 UHF 14-69 CATV 1-125
Antenna	75-ohm external antenna terminal for VHF / UHF
Picture tube	Hi-Black Trinitron® tube

For specific models:

	KV-27S22/29PS2/ 29RS22/29SD2	KV-27S26/ 29RS26	KV-27S36	KV-29RS22C	KV-29RS26C
Screen Size (measured diagonally)	27 inch	27 inch	27 inch	27 inch	27 inch
Power requirements	120V, 60Hz	120V, 60Hz	120V, 60Hz	220V, 50/60Hz	220V, 50/60Hz
Number of inputs/outputs					
Video (1)	1	2	2	1	2
S video (2)	0	1	1	0	1
Audio (3)	1	2	2	1	2
Audio out (4)	1	1	1	1	1
Speaker output (W)	5W x 2	5W x 2	5W x 2	5W x 2	5W x 2
Power consumption (W)					
When in use (Max.)	160W	165W	180W	160W	165W
In Standby	9W	9W	9W	9W	9W
Dimensions (W/H/D)					
(mm)	660 4 x 602 5 x 521 2 mm	660 4 x 602 5 x 521 2 mm	660 4 x 602 5 x 521 2 mm	660 4 x 602 5 x 521 2 mm	660 4 x 602 5 x 521 2 mm
(in.)	26 x 23 3/4 x 20 5/8 in	26 x 23 3/4 x 20 5/8 in	26 x 23 3/4 x 20 5/8 in	26 x 23 3/4 x 20 5/8 in	26 x 23 3/4 x 20 5/8 in.
Mass (kg)	40 6 kg	41 kg	42 kg	40 6 kg	41kg
(lb)	89 lbs 8oz	90 lbs 7oz	92 lbs 10oz	89 lbs 8oz	90 lbs 7oz
Supplied accessories Remote commander (w/ 2 size AA (R6) batteries)	RM-Y135A	RM-Y136A	RM-Y136A	RM-Y135A	RM-Y136A

(1) 1 Vp-p, 75 ohms unbalanced, sync negative
(2) Y 1 Vp-p, 75 ohms unbalanced, sync negative C 0 286 Vp-p (Burst signal), 75 ohms
(3) 500 mVrms (100% modulation), Impedance 47 kilohms
(4) More than 408 mVrms at the maximum volume setting (variable)
More than 408mVrms (fix), Impedance 50 kilohms

*** Design and specifications are subject to change without notice*

Optional accessories
Connecting cables VMC-810S/820S, VMC-720M, YC-15V/30V, RK-74A
TV Stand SU-27A
U/V mixer EAC-66

(●)® SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc It is covered by U S Patent No 4,748,669 Other U S and foreign patents pending

The word "SRS" and the SRS symbol (●) are registered trademarks of SRS Labs, Inc

SAFETY CHECK-OUT
(US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer

1 Check the area of your repair for unsoldered or poorly-soldered connections Check the entire board surface for solder splashes and bridges
2 Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors
3 Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced Be absolutely certain that you have replaced all the insulators
4 Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair Point them out to the customer and recommend their replacement
5 Look for parts which, though functioning, show obvious signs of deterioration Point them out to the customer and recommend their replacement
6 Check the line cords for cracks and abrasion Recommend the replacement of any such line cord to the customer
7 Check the B+ and HV to see if they are specified values Make sure your instruments are accurate, be suspicious of your HV meter if sets always have low HV
8 Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage Check leakage as described below

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0 5 mA (500 microampere) Leakage current can be measured by any one of three methods

1 A commercial leakage tester, such as the Simpson 229 or RCA WT-540A Follow the manufacturers' instructions to use these instructions
2 A battery-operated AC milliammeter The Data Precision 245 digital multimeter is suitable for this job
3 Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter The "limit" indication is 0 75 V, so analog meters must have an accurate low voltage scale The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable Nearly all battery operated digital multimeters that have a 2V AC range are suitable (See Fig A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground, the cover-plate retaining screw on most AC outlet boxes is also at earth ground If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter The reading should be zero ohms If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential (See Fig B)

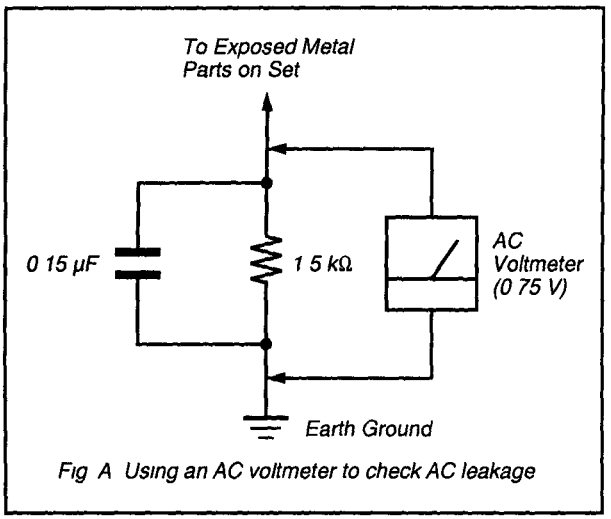


Fig A Using an AC voltmeter to check AC leakage

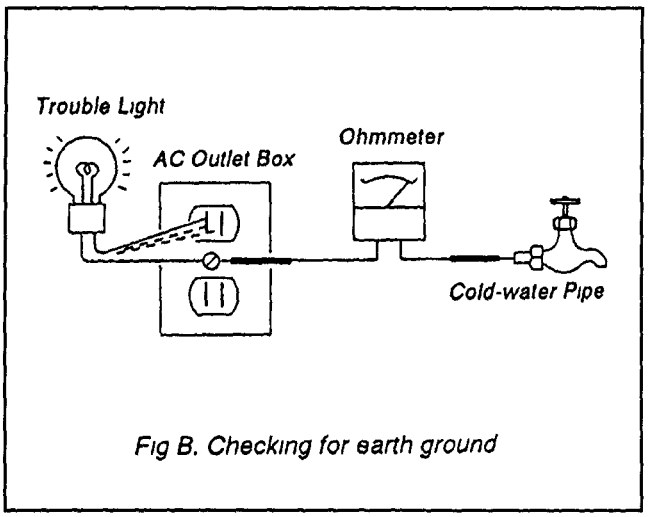


Fig B. Checking for earth ground

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CAUTION!

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE

ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNEIMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONTIONNEMENT SUSPECTE

The instructions mentioned here are partial abstracts from the Operating Instruction Manual
The page numbers shown reflect those of the Operating Instruction Manual

SECTION 1
GENERAL

Welcome!

Thank you for purchasing the Sony Trinitron* Color TV This manual is written for the models listed below Before reading, check the model number on the rear of your TV

Model KV-27S26 is used for illustration purposes The screens displayed are for model KV-35V36 Differences in operation features are indicated in the text, for example, "KV-27S26 only"

Model Number	Single tuner	VCR required for PIP	Dual tuner	Ready to use PIP	Light sensor	Flat correction	Channel Fix	Remote Channel Preset
KV-27S26	•						•	
KV-27S36	•		•				•	•
KV-27V26	•						•	
KV-27V36	•		•				•	•
KV-29RS26	•						•	
KV-29RS26C	•		•				•	•
KV-29V36C	•		•				•	•
KV-29V66M	•		•				•	•
KV-29V76M	•		•				•	•
KV-32S26	•						•	
KV-32S36	•		•				•	•
KV-32V26	•						•	
KV-32V36	•		•				•	•
KV-34RS26C	•						•	
KV-34V36C	•		•				•	•
KV-35S26	•						•	
KV-35S36	•		•				•	•
KV-35V36	•		•				•	•
KV-35V76	•		•				•	•
KV-37RS26	•						•	
KV-37V36M	•		•				•	•

Precautions

Safety

- Operate the TV only on 120 V AC (except KV-29RS26C, 29V36C, 34RS26C 34V36C)
- Operate the TV only on 220 V AC (KV-29RS26C 29V36C 34RS26C 34V36C only)
- The plug is designed, for safety purposes to fit in the wall outlet only one way If you are unable to insert the plug fully into the outlet contact your dealer (except KV-29RS26C 29V36C 34RS26C 34V36C)
- If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further
- If you will not be using the TV for several days, disconnect power by pulling the plug itself Never pull on the cord

For details concerning safety precautions see the supplied leaflet "IMPORTANT SAFEGUARDS"

Installing

- To prevent internal heat build-up do not block the ventilation openings
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration

Using This Manual

This manual is divided into four major sections We recommend that you carefully review the contents of each section in the order provided to ensure that you fully understand the operation of your new TV

1 **Connecting and Installing the TV**
This section will guide you through your initial set up It will show you how to connect your new components, connect to your antenna or cable and connect any accessories

2 **Basic Set Up**
This section will teach you the basic skills needed to operate your new TV It will show you how to operate special functions of the remote control

3 **Using your New TV**
This section will show you how to begin using your new TV It will show you how to use the AUTO SET UP feature and how to use your remote control s features

4 **Adjusting your Set Up (menus)**
This section will teach you how to access on-screen menus and adjust your TV s settings

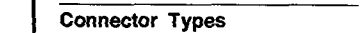
Instructions in this manual are written for the remote control Similar controls may be found on the TV console

Connecting and Installing the TV

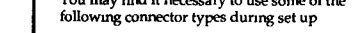
Connector Types

You may find it necessary to use some of the following connector types during set up

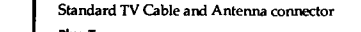
Coaxial Cable
Standard TV Cable and Antenna connector



S Video Cable
High quality Video connector for enhanced picture quality



Audio/Video Cable
Conventional Audio/Video cable



S-Link Cable
Sony Link connector (only available on Sony products) for simultaneous control of your components

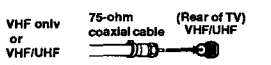
Making Connections

For best picture quality a cable TV system or outdoor antenna is recommended

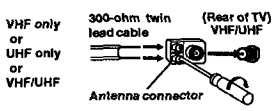
Connecting directly to cable or an antenna

The connection you choose will depend on the cable found in your home Newer homes will be equipped with standard coaxial cable (see **A**), older homes will probably have 300-ohm twin lead cable (see **B**) still other homes may contain both (see **C**)

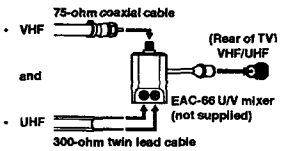
A



B

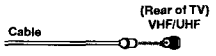


C



Cable or antenna

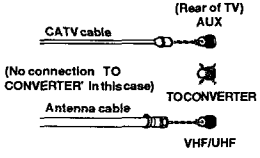
Most simple connection Connection is made directly from the cable or antenna to the TV



Cable and antenna

KV 27S36, 27V36 29V36C 29V76M 32S36, 32V36 34V36C 35S36 35V36, 35V76 37V36M only

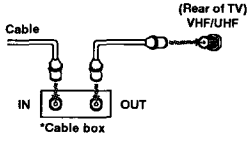
You may find it convenient to use the following set up if your cable provider does not feature local channels that you are able to receive using an antenna



Select Cable or ANT mode by pressing ANT on the remote control

Connecting a cable box

Some pay cable TV systems use scrambled or encoded signals that require a cable box* to view all channels



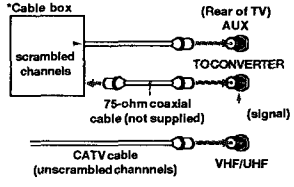
Note

- If you will be controlling all channel selection through your cable box you should consider using the CHANNEL FIX feature discussed on page 22

Cable box and cable

KV 27S36, 27V36 29V36C 29V76M, 32S36 32V36 34V36C 35S36 35V36, 35V76 37V36M only

Some pay cable TV systems use scrambled or encoded signals requiring a cable box* only for certain channels (e g HBO SHOWTIME etc)



For this set up you can switch between scrambled channels (through your cable box) and normal (CATV) channels by pressing ANT on your remote control.

* Your Sony remote control can be programmed to operate your cable box (see page 26)

Notes

- You cannot watch the signal through the "AUX input as a window picture when using Picture-in Picture (PIP)
- If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the CHANNEL FIX feature discussed on page 22

Connecting and Installing the TV (continued)

Disconnect all power sources before making any connections

Connecting an antenna/cable TV system with a VCR

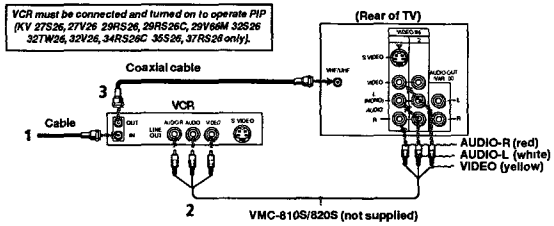
1 Attach the coaxial connector from your cable or antenna to IN on your VCR
2 Using AUDIO/VIDEO connectors connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left Red AUDIO Right) *
3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV

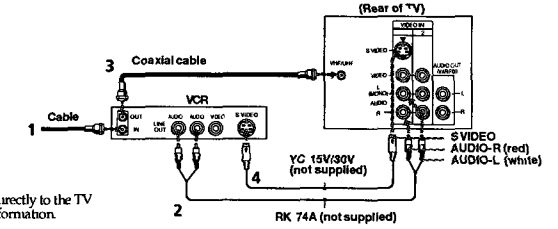
Connecting to an S Video equipped VCR (for optimum picture quality)

1 Attach the coaxial connector from your cable or antenna to IN on your VCR
2 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red AUDIO Right) *
3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV
4 Using an S VIDEO connector connect S VIDEO on your VCR to S VIDEO on your TV
If you are connecting a monaural VCR, connect only the single audio output to the left input on your TV

Note on DVD Connection

- For the best picture quality connect the DVD player directly to the TV Refer to your DVD manual for detailed connection information





KV-27S22/27S26/27S36/29SD2/29PS2/29RS22/29RS22C/29RS26/29RS26C

Connecting a VCR and TV with a cable box

1 Connect the single (input) jack of the Splitter to your incoming cable connection and connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV
2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR
3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right)

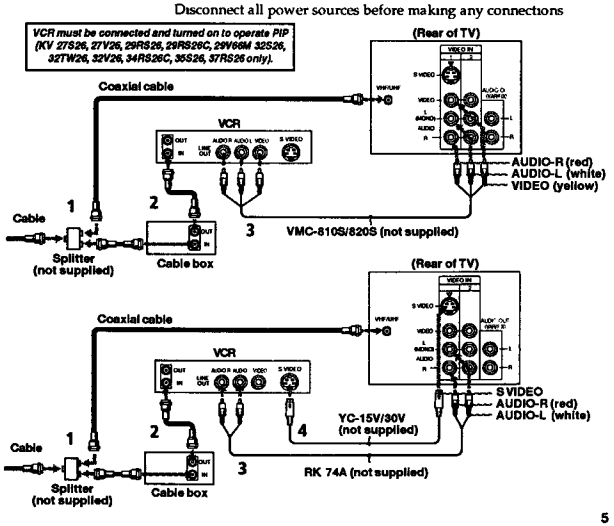
Connecting to an S Video equipped VCR with a cable box (for optimum picture quality)

1-2 Perform as described above
3 Using AUDIO connectors connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right)
4 Using an S VIDEO connector connect S VIDEO on your VCR to S VIDEO on your TV

Note

- To view scrambled channels through your cable box, select VIDEO 1 by pressing TV/VIDEO on the remote control

Disconnect all power sources before making any connections



Connecting and Installing the TV (continued)

Connecting a DBS (Direct Broadcast Satellite) receiver

1 Connect the cable from your satellite antenna to your DBS receiver
2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV
3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV

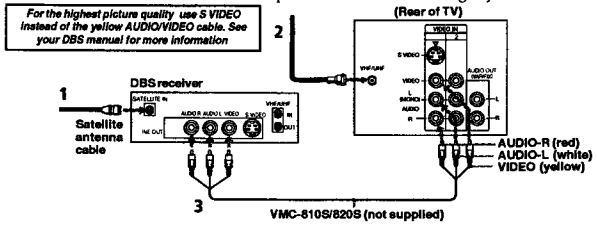
Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

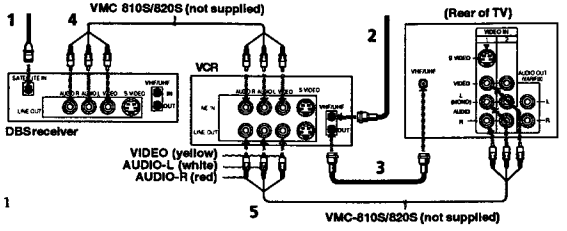
1 Connect the cable from your satellite antenna to your DBS receiver
2 Attach the coaxial connector from your cable or antenna to VHF/UHF-IN on your VCR.
3 Using a coaxial connector, connect VHF/UHF-OUT on your VCR to VHF/UHF on your TV
4 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
5 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV

Note

- To view input from the DBS or VCR, select VIDEO 1 by pressing TV/VIDEO on the remote control

Disconnect all power sources before making any connections


For the highest picture quality use S VIDEO instead of the yellow AUDIO/VIDEO cable. See your DBS manual for more information
(Rear of TV)
DBS receiver
Satellite antenna cable
AUDIO-R (red)
AUDIO-L (white)
VIDEO (yellow)
VMC-810S/820S (not supplied)



Connecting an audio system

For greater viewing pleasure integrate your home stereo into the system

1 Using AUDIO connectors connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, etc.) on your stereo (White-AUDIO Left, Red AUDIO Right)
2 Set your stereo to the chosen Line input and refer to page 20 of this manual for additional audio setup instructions

Connecting an AV receiver

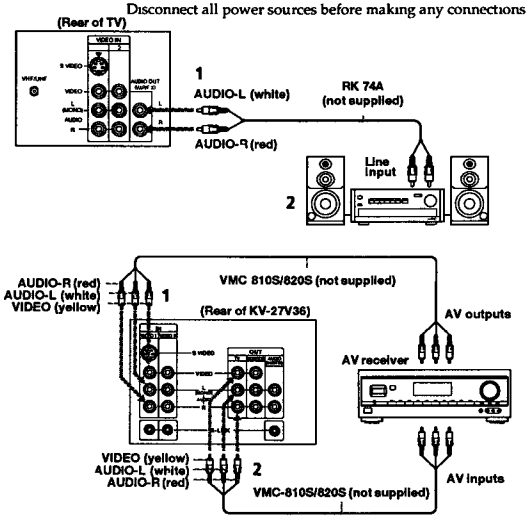
KV 27V36, 29V36C, 29V76M, 32V36, 34V36C 35V36, 35V76, 37V36M only

For greater viewing pleasure connect your AV receiver

1 Using AUDIO/VIDEO connectors, connect VIDEO 1 IN on your TV to Monitor AUDIO and VIDEO OUT on your AV receiver
2 Using AUDIO/VIDEO connectors, connect TV OUT on your TV to TV AUDIO and VIDEO IN on your AV receiver

You may want to use CHANNEL FIX to fix your TV's input to the AV receiver (VIDEO 1)
See CHANNEL FIX page 22

Disconnect all power sources before making any connections



Connecting and Installing the TV (continued)

Connecting two VCRs for tape editing using MONITOR OUT

KV 27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C 35V36, 35V76, 37V36M only

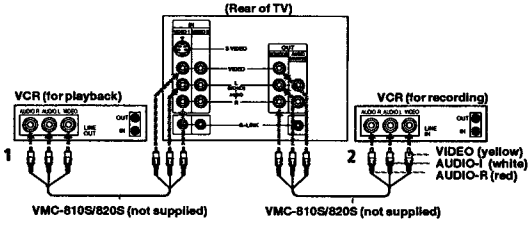
MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing

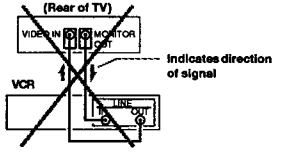
1 Connect the VCR intended for playback using the setup instructions on page 4 of this manual
2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV

Notes

- Do not change the input signal while editing through MONITOR OUT
- When connecting a single VCR to the TV, if VCR LINE OUT is connected to TV VIDEO IN, do not connect the TV MONITOR OUT jacks to the VCR LINE INPUT (see right). Doing so will cause program interference and other viewing problems

Disconnect all power sources before making any connections





Using the S-Link function

KV 27V26, 27V36, 29V36C 29V66M, 29V76M, 32V26 32V36, 34V36C 35V36 35V76 37V36M only

S-Link is a Sony innovation designed to make your Sony components work together It allows you to automatically switch the TV input mode to video when you press PLAY on your Sony S-Link VCR It also allows you to turn the VCR and TV off at the same time with the SYSTEM OFF button

1 Connect your VCR using the setup instructions on page 4 of this manual

2 Using an S-Link connector connect the S-LINK jacks on your VCR and TV Ensure that both ends are seated firmly and that the TV S-LINK connector is in the same row as the AUDIO/VIDEO connectors

Connecting a camcorder

KV 27V26 27V36 29V36C 29V66M 29V76M 32V26 32V36 34V36C 35V36, 35V76 37V36M only

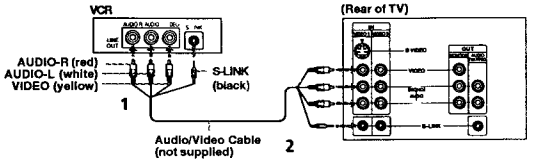
This connection is convenient for viewing a picture directly from your camcorder

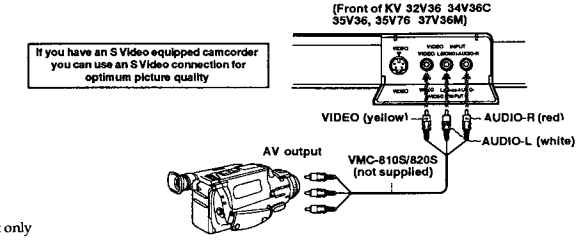
Using AUDIO/VIDEO connectors connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on the front panel of your TV (Yellow VIDEO, White-AUDIO Left Red AUDIO Right)

Note

- If you are connecting a monoaural camcorder connect only the single audio output to the left input on your TV

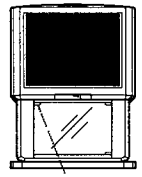
Disconnect all power sources before making any connections




If you have an S Video equipped camcorder you can use an S Video connection for optimum picture quality
(Front of KV 32V36 34V36C 35V36, 35V76 37V36M)
VIDEO (yellow)
AUDIO-R (red)
AUDIO-L (white)
AV output
VMC-810S/820S
(not supplied)

KV-32TW26 and KV-35V76 only

Follow these instructions to install the glass door and adjust the shelf



Parts List

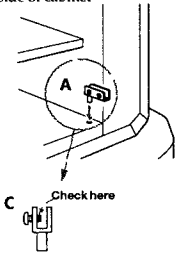
A	Bottom hinge		1
B	Top hinge		1
C	Screw 4x4		4
D	Plate pad		1
E	Plate		1
F	Metal pin		4

Note

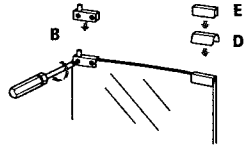
- Confirm that all parts are included before beginning assembly If any parts are missing, contact your dealer

Installing the glass door

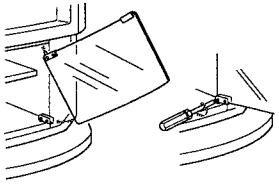
1 Check that the projection of the screw through the bottom hinge **A** does not interfere with the proper installation of the hinge to the glass door and then insert the hinge into the hole located at the bottom right side of cabinet



2 Attach the top hinge **B** to the right side of the glass door tighten the screws snugly but do not overtighten Attach the plate pad **D** to the left side and push the plate **E** over the plate pad

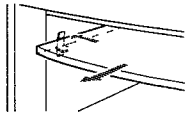


3 Push the top glass door hinge into the top right bushing and gently slide the glass door into the bottom hinge Adjust the glass door until level and tighten the hinge screws

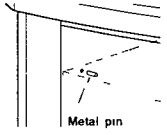


Adjusting the shelf

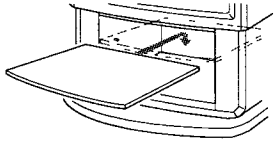
1 Press the upper part of the temporary shelf supports and remove the shelf



2 Insert the metal pin shelf supports (2 each side)



3 Insert the shelf ensuring that the pin supports are seated in the grooves on the bottom side of the shelf



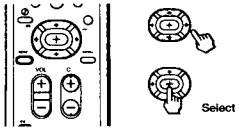
Inserting batteries

Insert two size AA (R6) batteries (supplied) by matching the + and – on the batteries to the diagram inside the battery compartment

Notes

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period
- Handle the remote control with care Avoid dropping it getting it wet, or placing it in direct sunlight near a heater or where the humidity is high
- Your remote control can be programmed to operate most video equipment See page 24

Using the remote control Select buttons



The supplied remote control has select buttons which allow for movement of the on screen selector in four directions Pressing on the edge of the select buttons will cause the selector to *move* in the selected direction Pressing the center of the select buttons ⊕ will *activate* the selected item

Adjusting sliders

When menu items present a slider (▬● or ●▬) use the select buttons (♦ or ♦) to adjust the setting

On Line Help/Instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions *When presented use these to supplement the instructions in this manual*

Using your New TV

Setting up the TV automatically

The EASY SETUP GUIDE feature will allow you to set the on-screen language and set all receivable channels The EASY SETUP GUIDE screen will appear every time you turn on the TV until you perform AUTO PROGRAM

The EASY SETUP GUIDE feature does not apply for installations that use a cable box for all channel selection.

To set up the TV manually refer to "Using the SET UP menu" on page 22

Tips

- Perform this function during the day with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.
- After using EASY SETUP GUIDE you will still have the option of adjusting any of the system settings, like erasing channels through the SETUP menu (page 22).
- The TV must be set to TV input to execute AUTO PROGRAM Press ANT until the channel number appears.
- If your cable or antenna is connected to AUX, then press ANT until AUX appears next to the channel number (KV 27S36 27V36 29V36C 29V76M 32S36 32V36 34V36C 35S36 35V36 35V76 37V36M only)

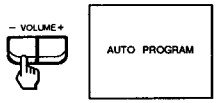
Using the buttons on the front of the TV

For KV-27V36 29V36C, 29V76M, 32V36, 34V36C, 35V36, 35V76 and 37V36M, the control buttons are located on the top of the TV

1 Press POWER to turn on the TV
The EASY SETUP GUIDE screen appears

2 (Except Canadian models)
Press CHANNEL + to select English screens or CHANNEL – to select Spanish screens

3 Press VOLUME – to continue or TV/VIDEO for a DEMO of functions and menus.



'AUTO PROGRAM appears and the TV starts scanning and presetting channels automatically When all the receivable channels are stored the lowest numbered channel is displayed If the TV receives cable TV channels, CABLE is set ON automatically

To perform AUTO SET UP again

- Press SET UP
- Press CHANNEL + or CHANNEL – to select a language.
- Press Volume – to restore factory settings (CONTINUE TO AUTO PROGRAM? will appear on the screen Press CH+ to execute or CH– to exit)
- Press SET UP to exit

Note

- When you perform AUTO PROGRAM, your CHANNEL FIX, TIMER, and CHANNEL BLOCK settings will be erased

Using your New TV (continued)

Watching the TV

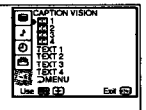
All of the TV features can be accessed via the remote control The following chart will explain the function of the buttons found on your remote control

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

TV (FUNCTION)	Activates the remote control for use with the TV
TV POWER	Turns the TV on and off If "VIDEO' appears on the screen press TV/VIDEO or ANT so that a channel number appears
⓪-⑨	Use for direct channel selection Press 0-9 to select a channel (for example to select channel 10 press 1 and 0) the channel will change after 2 seconds or you can press ENTER for immediate selection
CH +/–	Press to scan through the channels (+ up or – down)
VOL +/–	Press to adjust the volume (+ up or – down)
JUMP	Press to alternate or *jump* back and forth between two channels You can only jump between the last two channels that have been selected with the 0-9 keys
MUTING	Press to mute the sound ("MUTING' will appear on the screen) Press again or press VOL + to restore sound
FREEZE	Press to *freeze* the window picture while in PIP mode If you are not in PIP mode pressing FREEZE will cause the main picture to freeze into a window picture Great for copying down phone numbers addresses recipes etc

SLEEP	Press repeatedly until the TV displays the approximate time in minutes (30 60 or 90) that you want the TV to remain on before shutting off automatically Cancel by pressing until "SLEEP OFF' appears
DISPLAY	Press repeatedly to step through available displays **Status** Channel number current time channel caption (if set) and MTS mode (if SAP is selected) are displayed. SAP indication disappears after three seconds **XDS** XDS (Extended Data Service) shows a network name program name program type program length call letters and time of the show if the broadcaster offers this service **Caption Vision** Caption Vision will be displayed on the screen if the broadcaster offers this service (see right) To cancel the display press DISPLAY repeatedly until "DISPLAY OFF' appears "DISPLAY OFF" disappears after three seconds
TV/VIDEO	Press repeatedly to step through available video inputs **TV, Video 1 and Video 2** (KV-27S26 27S36 29RS26 29RS26C 32S26 32S36 32TW26 34RS26C 35S26 35S36 37RS26 only) **TV, Video 1, Video 2 and Video 3** (KV-27V26 27V36 29V36C 29V66M 29V76M 32V26 32V36 34V36C 35V36 35V76 37V36M only)
ANT	Press to change the VHF/UHF input to the AUX input (KV 27S36 27V36 29V36C 29V76M 32S36 32V36 34V36C 35S36 35V36 35V76 37V36M only) *For detailed connection information see "Cable box and cable or "Cable and antenna" on page 3*
SYSTEM OFF	KV-27V26 27V36 29V36C 29V66M 29V76M 32V26 32V36 34V36C 35V36 35V76 37V36M only Press to turn off the TV and all other equipment connected with S-Link and return the TV input to either antenna or AUX whichever was last used
MTS/GUIDE	Press this button to cycle through the Multi-channel TV Sound (MTS) options (page 20)

CAPTION VISION



Some programs are broadcast with Caption Vision To display Caption Vision select CC1 CC2 CC3 CC4 TEXT1 TEXT2 TEXT3 or TEXT4 from the menu then press DISPLAY until Caption Vision is displayed

CC1 CC2 CC3 or CC4 shows you a caption that is a printed version of the dialogue or sound effects of a program (The mode should be set to CC1 for most programs) TEXT1 TEXT2 TEXT3 or TEXT4 shows you text that is information presented using either half or the whole screen It is not usually related to the program

Notes

Poor reception of TV programs can cause errors in Caption Vision and XDS
Captions may appear with a white box or other errors instead of intended text
XDS Caption Vision and the status display cannot be used at the same time

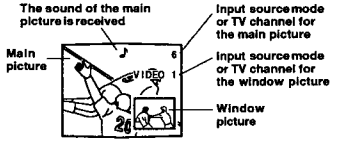
Using your New TV (continued)

Watching two programs at one time — PIP (Except KV-27S22/ 29RS22C/29RS22/ 29SD2/29PS2)

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size main picture and one in a smaller window picture This means that two separate tuners must be available to provide the two signals

Certain models (KV-27S26, 27V26, 29RS26 29RS26C, 29V66M 32S26, 32TW26, 34RS26C, 35S26, 37RS26 only) are equipped with a single tuner This simply means that a VCR must be connected and turned on for PIP to operate

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART


The sound of the main picture is received
Input source mode or TV channel for the main picture
Main picture
Input source mode or TV channel for the window picture
VIDEO 1
Window picture

Tip

To ensure a correct single tuner PIP connection (KV 27S26 27V26 29RS26 29RS26C 29V66M 32S26 32TW26 34RS26C 35S26 37RS26 only) make sure the following list of simple connections is complete before using PIP

- A cable or antenna is connected to the VCR
- The VCR is connected to your TV
- The VCR is turned on

(for detailed connection information see page 3-5)

Note

- You must press TV (FUNCTION) before you can control PIP with the yellow labeled buttons

Use the Yellow Labeled Buttons for PIP Operations.	
PIP ⓫	Press once to display the window picture (1/9 size) Press again to reduce the size of the window picture (1/16 size) Press a third time to remove the window picture
TV/VIDEO ⓭	Press repeatedly to step through available video inputs **TV, Video 1, Video 2, and Video 3** (KV-27V26 27V36 29V36C 29V66M 29V76M 32V26 32V36 34V36C 35V36 35V76 37V36M only) *If you use one of the connections from page 4 your PIP input source is the VCR If you use one of the connections from page 5 your PIP input source is a VCR or cable box*
AUDIO ⓮	Press to alternate sound between the main picture and the window picture A ♪ will appear for a few seconds to indicate which picture is receiving sound

Use the Yellow Labeled Buttons for PIP Operations.	
TV/VTR + ◯ CH - ◯	Press to change the TV channel in the window picture (+ to increase the channel number and – to decrease) For models KV 27S26 27V26 29RS26 29RS26C 29V66M 32S26 32TW26 34RS26C 35S26 and 37RS26 if you are watching the video input in the window picture you must press VTR (FUNCTION) then use the main CH +/- buttons to change channels
POSITION ◉	Press to move the location of the window picture (counterclockwise) around the main picture
FREEZE ◀◀	Press to freeze the window picture Great for copying down phone numbers addresses recipes etc If a window picture is displayed then it will be frozen If only the main picture is displayed then it will be frozen and displayed as a window picture *Press FREEZE again to restore the previous screen(s)*
SWAP ▶	Press to switch the audio and video of the main picture and the window picture Each time you press SWAP the picture and sound of the two will be *SWAPPED* *The channels being received through the AUX jack cannot be displayed as a window picture (KV-27S36 27V36 29V36C 29V76M 32S36 32V36 34V36C 35S36 35V36 35V76 37RS26 37V36M only)*

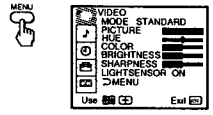
Adjusting your SET UP (menus)

Learning menu selection

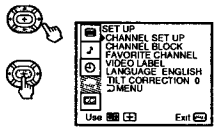
Use the MENU button to access a menu and use the Select buttons to alter settings Use the following example to learn how to modify settings

1 Press the MENU button

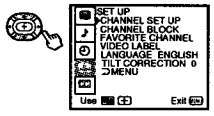
The main menu appears



2 Press the select buttons (♦ or ♦) to highlight the desired menu and press ⊕ to activate it



3 Press the select buttons (♦ or ♦) to select the desired option.



4 Press ⊕

Options for your selection will be displayed

5 Make your selection and press ⊕ to activate it

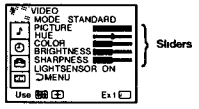
The previous screen will reappear

When you are done with changes to the selected menu, choose MENU to return to the main menu Once you have completed all menu corrections press MENU on the remote control to exit the menu screens

Note

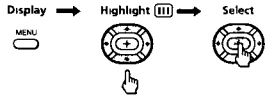
- Pressing MENU on the remote control will allow you to exit from the menus

Using the VIDEO menu



For detailed information on using the remote to modify menu settings refer to Learning menu selection on page 18

To select the VIDEO menu



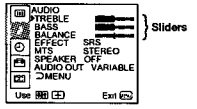
To restore the factory settings

Press RESET on the remote control while the VIDEO menu is displayed

MODE *Customized picture viewing*	**STANDARD** Select to receive a standard picture **MOVIE** Select to receive a finely detailed picture **SPORTS** Select to receive a vivid bright picture
PICTURE *Picture Adjustment*	Adjust slider left (cursor down) to decrease picture contrast and soften the color Adjust slider right (cursor up) to increase picture contrast and create more vivid color
HUE *Picture Adjustment*	Adjust slider left (cursor down) to decrease the green tones Adjust slider right (cursor up) to increase the green tones
COLOR *Picture Adjustment*	Adjust slider left (cursor down) to decrease color intensity Adjust slider right (cursor up) to increase color intensity
BRIGHTNESS *Picture Adjustment*	Adjust slider left (cursor down) to darken the picture Adjust slider right (cursor up) to brighten the picture
SHARPNESS *Picture Adjustment*	Adjust slider left (cursor down) to soften the picture Adjust slider right (cursor up) to sharpen the picture
LIGHTSENSOR *Picture Adjustment*	(KV 27V26 27V36 29V36C 29V66M 29V76M 32V26 32V36 34V36C 35V36 35V76 37V36M only) **ON** TV automatically adjusts the brightness of the picture according to the brightness of the room **OFF** Brightness remains at preset value

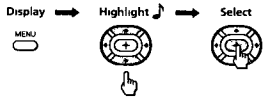
Adjusting your SET UP (menus) (continued)

Using the AUDIO menu



For detailed information on using the remote to modify menu settings refer to Learning menu selection on page 18

To select the AUDIO menu



To restore the factory settings

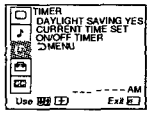
Press RESET on the remote control while the AUDIO menu is displayed

Tip

Press for direct selection of an EFFECT setting

TREBLE *Sound Adjustment*	Adjust slider left (cursor down) to decrease higher pitched sounds Adjust slider right (cursor up) to increase higher pitched sounds
BASS *Sound Adjustment*	Adjust slider left (cursor down) to decrease low pitched sounds Adjust slider right (cursor up) to increase low pitched sounds
BALANCE *Sound Adjustment*	Adjust slider left (cursor down) to emphasize left speaker volume Adjust slider right (cursor up) to emphasize right speaker volume
EFFECT *Customize sound effect based on the program's audio type*	**SURROUND** Simulates theater quality sound (only for stereo programs) (KV 27S26 27S36 29RS26 29RS26C 32S26 32S36 32TW26 34RS26C 35S26 35S36 37RS26 only) **SRS** Produces a dynamic three dimensional sound for stereo or encoded audio signals (KV-27V26 27V36 29V36C 29V66M 29V76M 32V26 32V36 34V36C 35V36 35V76 37V36M only) **SIMULATED** Adds a surround-like effect to mono programs (KV 27V26 27V36 29V36C 29V66M 29V76M 32V26 32V36 34V36C 35V36 35V76 37V36M only)
MTS *Enjoy stereo bilingual and mono programs*	**STEREO** Select for stereo reception when viewing a program broadcast in stereo **SAP** Select to listen to bilingual broadcast (non-SAP programs will be muted when this feature is selected) **MONO** Select for mono reception (use to reduce noise during stereo broadcasts) ***Quick MTS access*** *Press MTS on your remote to cycle through the MTS options as follows (STEREO ♦ SAP ♦ MONO ♦ STEREO)*
SPEAKER *Custom selection of audio output source*	**ON** Select to listen to the sound from the TV speakers and a separate stereo system **OFF** Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers
AUDIO OUT *Easy control of volume adjustments*	AUDIO OUT can only be set when speakers are set to OFF **VARIABLE** Sound output varies according to the TV settings Volume Bass Treble and Balance are adjusted through the TV Useful when you want to use your remote to control the output of a separate audio system **FIXED** Sound output is held at a fixed level Volume Bass Treble and Balance are fixed to the factory settings. Volume adjustments are made through your stereo

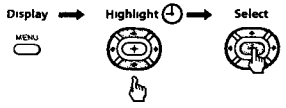
Using the TIMER menu



After setting the clock you can use the timer to turn the TV on and off

For detailed information on using the remote to modify menu settings, refer to Learning menu selection on page 18

To select the TIMER menu



Tip

Set daylight saving time before setting the clock. Any loss of power will cause these settings to be erased

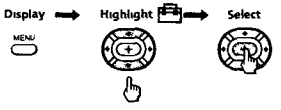
DAYLIGHT SAVING *Automatically adjusts the time*	**Spring** Select YES to compensate for Daylight Saving Time The current time automatically moves one hour ahead **Fall** Select NO at the end of Daylight Saving Time The current time moves back one hour
CURRENT TIME SET *Necessary for the TIMER*	CURRENT TIME SET window will appear 1 Press ↑ or ↓ on the select buttons until the current day (MON SUN) is displayed Press ⊕ to select 2 Press ↑ or ↓ on the select buttons until the current hour (01-12) and AM/PM is displayed Press ⊕ to select 3 Press ↑ or ↓ on the select buttons until the current minute (00-59) is displayed 4 Press ⊕ The Clock has now started Press MENU to exit
ON/OFF TIMER *Wake up or scheduled viewing*	ON/OFF TIMER window will appear 1 Press ↑ or ↓ on the select buttons until the desired day (MON-SUN) or range of days (EVERY Sun-Sat or EVERY Mon-Fri) is displayed Press ⊕ to select 2 Indicate the time (hours then minutes) that you want the TV to turn on by pressing ↑ or ↓ and then ⊕ 3 Set the time duration (maximum of 6 hours) by pressing ↑ or ↓ and then ⊕ **TO CANCEL THE TIMER FUNCTION, PRESS RESET** 4 Press ↑ or ↓ on the select buttons to select the desired channel Press ⊕ to select The timer is now set The TIMER indicator on your TV will be lit *Press MENU to exit When you perform AUTO PROGRAM all TIMER settings will be erased*

Adjusting your SET UP (menus) (continued)

Using the SET UP menu

For detailed information on using the remote to modify menu settings, refer to Learning menu selection on page 18

To select the SET UP menu



If any menu items are grayed out press the ANT button on your remote so that a channel number appears

Favorite channel feature is not available for the AUX input

CHANNEL SET UP *Basic set up options for viewing*	With the CHANNEL SET UP window open 1 Use ↑ or ↓ to select the feature you want to change 2 Press ⊕ to access the feature **CABLE** Select ON if your TV is connected to a cable system (AUTO SET UP will set CABLE to ON automatically when it programs the TV) **CHANNEL FIX** Use this feature to set the TV's input to one of the following options. **2-6** Choose when the cable box is connected to the VHF/UHF input and you do not want to switch to AUX mode Once this setting is made you will not be able to use the "TV function" CH+/– to change channels instead use the "Cable function" CH +/– **AUX 2-6** Choose when a cable box is connected to AUX and a cable or antenna is connected to ANT You can alternate between the two inputs by pressing ANT on the remote control (KV-27S36 27V36 29V36C 29V76M 32S36 32V36 34V36C 35S36 35V36 35V76 37V36M only) **VIDEO 1** Choose when you have connected video equipment (e g AV receiver) and you want TV input fixed to it. You will only be able to switch between video sources *TIMER and CHANNEL BLOCK settings are erased when CHANNEL FIX is set* **AUTO PROGRAM** Instructs the TV to automatically program all receivable channels **CHANNEL ERASE/ADD** With the CHANNEL ERASE/ADD window open 1 Place the cursor next to ERASE or ADD 2 Select the desired channel using CH+/– or by selecting with the 0-9 buttons and pressing ENTER 3 Press ⊕ to activate **CHANNEL CAPTION** With the CHANNEL CAPTION window open 1 Press ⊕ *and then ↑ or ↓ on the select buttons to select* the desired channel and press ⊕ again 2 Press ↑ or ↓ on the select buttons to display the first letter or number of the caption and press ⊕ to select it (Repeat until all four digits are selected) 3 Press ⊕ to activate *To erase a Caption press RESET*

CHANNEL BLOCK *Prevent child access to certain channels*	You will be able to block two channels With the CHANNEL BLOCK window open 1 Select 1 or 2 and press ⊕ 2 Press ↑ or ↓ on the select buttons to display the channel you want to block 3 Press ⊕ to activate When you select the blocked channel BLOCKED" will appear on the screen Caption Vision XDS and output from the selected channel will also be blocked To erase your CHANNEL BLOCK settings press RESET while in the CHANNEL BLOCK window When you perform AUTO PROGRAM *your CHANNEL BLOCK settings will be erased*
FAVORITE CHANNEL *Quick access to favorite channels*	**Setting FAVORITE CHANNEL** With the FAVORITE CHANNEL window open 1 *Press ⊕ and then ↑ or ↓ on the select buttons to select* AUTO or MANUAL and press ⊕ again (Selecting AUTO will cause the last five channels that you chose with the remote control 0-9 buttons to be selected) 2 Press ↑ or ↓ on the select buttons to select 1 2 3 4 or 5 and press ⊕ 3 Press ↑ or ↓ on the select buttons to select the desired channel and press ⊕ 4 For KV-27S36 27V36 29V36C 29V76M 32S36 32V36 34V36C 35S36 35V36 35V76 37V36M only you can preview your favorite channels in the window picture to do so set PREVIEW DISPLAY to ON **Using FAVORITE CHANNEL** 1 Press *and your* FAVORITE CHANNEL *options* appear 2 Press ↑ or ↓ to select the channel you want to watch and press 3 For models KV-27S36 27V36 29V36C 29V76M 32S36 32V36 34V36C 35S36 35V36 35V76 37V36M only if PREVIEW is turned on then a window picture will display your favorite channels as you cycle through the options
VIDEO LABEL *Easy recognition of connected equipment (e.g. DBS VHS, etc.)*	This feature allows you to label each input mode so that you can easily identify the connected equipment (e g you can label VIDEO 1 IN as VHS) 1 Press ↑ or ↓ on the select buttons to select the input mode you want to label and press ⊕ 2 Press ↑ or ↓ to select the label and press ⊕ **VIDEO LABEL Options** Video 1 VHS 8mm BETA LD GAME DBS DVD WEB RECEIVER Video 2/3 VHS 8mm BETA LD GAME DBS DVD WEB
LANGUAGE	(Except Canadian models) Select from available languages to cause all menus to appear in your language of choice
TILT CORRECTION *Adjust your picture*	Use this feature to correct any tilt of the picture KV 35S26 35S36 35V36 35V76 37RS26 37V36M only Press ↑ or ↓ on the select buttons to select a correction between +5 and –5 and press ⊕

Operating video equipment

Setting the manufacturer's code

You can use the supplied remote control to operate Sony or non Sony video equipment that has an infrared sensor

1 Press CODE SET
2 Press VTR (FUNCTION)
3 Use the 0-9 buttons to key in the *manufacturer's code number* from the following chart
4 Press ENTER

VCR manufacturer code numbers

Manufacturer	Code
Sony	301 302 303
Aiwa	338 344
Admiral (M Wards)	327
Audio Dynamic	314 337
Bell & Howell (M Wards)	330 343
Broksonic	319 317
Canon	309 308
Citizen	332
Craig	315 302 332
Criterion	315
Curtis Mathis	304 338 309
Daewoo	341 312 309
DBX	314 336 337
Dimensia	304
Emerson	319 320 316 317 318 341
Fisher	330 334 335 333
Funai	338
General Electric	329 304 309
Go Video	322
Goldstar	332
Hitachi	306 304 305 336
Instant Replay	309 308
JC Penney	309 305 304 330 314 336 337
JVC	314 336 337
Kenwood	314 336 332 337
LXI (Sears)	332 305 333 334 330 335 338
Magnavox	308 309 310
Marantz	314 336 337
Marta	332
Memorex	309 335
Minolta	305 304
Mitsubishi/MGA	323 324 325 326
Multitech	325 338 321
NEC	314 336 337
Olympic	309 308
Optimus	327
Panasonic	308 309 306 307
Pentax	305 304
Philco	308 309
Philips	308 309 310
Pioneer	308
Quasar	308 309 306
RCA/PROSCAN	304 305 308 309 311
	312 313 310 329
Realistic	309 330 328 335 324 338
Sansui	314
Singer	315
Samsung	322 313 321
Sanyo	330 335
Scott	312 313 321 335 323 324 325 326
Sharp	327 328
Shintom	315
Signature 2000 (M Wards)	338 327
Sylvania	308 309 338 310
Symphonic	338
SV2000	338
Tashiro	332
Tatung	314 336 337
Teac	*314 336* 338 337
Technics	309 308
Toshiba	312 311
Wards	327 328 335 331 332
XR-1000	315
Yamaha	330 314 336 337
Zenith	331

MDP manufacturer code numbers

Manufacturer	Code
Sony	701
Kenwood	707
Magnavox	703
Marantz	702
Mitsubishi	702
Panasonic	704 710
Philips	703

Pioneer	702
RCA	702 709
Sanyo	706
Sharp	705
Yamaha	703 708

Tips

- In some rare cases you may not be able to operate your non-Sony video equipment with the supplied remote control In this case please use the equipment's own remote control
- The code numbers for Sony equipment are assigned at the factory as follows.

  VHS VCR 301 (preset code for the supplied remote control)

  8 mm VCR 302

  Beta, ED Beta VCRs 303

- When you remove the batteries, the code number may revert to the factory setting

Operating a VCR	Buttons on the remote control
To turn on or off	Press VTR (POWER)
To select a channel directly	Press the 0 – 9 buttons
To change channels	Press CH +/–
To record	Press ► while pressing ● First release ► then release ●
To play	Press ►
To stop	Press ■
To fast forward	Press ►►
To rewind the tape	Press ◄◄
To pause	Press II To resume normal playback press again
To search the picture forward or backward	Press ►► or ◄◄ during playback To resume normal playback release the button
To change input mode	Press TV/VTR

Operating an MDP	Buttons on the remote control
To turn on or off	Press VTR (POWER)
To play	Press the ►
To stop	Press ■
To pause	Press II To resume normal playback press again
To search the picture forward or backward	Keep pressing ►► or ◄◄ during playback To resume normal playback release the button
To search the chapter forward or backward	Press CH +/–

Operating a cable box or DBS receiver

Programming the remote

You can program the supplied remote control to operate a cable box or DBS receiver

1 Press CODE SET

2 Press DBS/CABLE (FUNCTION)

3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart

4 Press ENTER

To operate the TV

Press TV (FUNCTION) Then use the TV control buttons to control the TV

For more details on operating the cable box or DBS receiver

Refer to the operating instructions that come with the equipment

If the remote control doesn't work

- First try repeating the setup procedures using the other codes listed for your equipment

Tips

- If more than one code number is listed try entering them one by one until you come to the correct code for your equipment
- If you enter a new code number the code number you previously entered at that setting is erased
- In some rare cases you may not be able to operate your equipment with the supplied remote control In this case use the equipment's own remote control unit
- Whenever you remove the batteries — to replace them for example — if too much time is taken the code numbers may revert to the factory setting and must be reset

Manufacturer code numbers (cable box)

Manufacturer	Code number
Hamlin/Regal	222 223 224 225 226
Jerrold/G I	201 202 203 204 205 206 207 208 218
Oak	227 228 229
Panasonic	219 220 221
Pioneer	214 215
Scientific Atlanta	209 210 211
Tocom	216 217
Zenith	212 213

Manufacturer code numbers (DBS receiver)

Manufacturer	Code number
Sony	801 (preset code for remote control)
General Electric	802
RCA/PROSCAN	802

Troubleshooting

Troubleshooting

Cannot Operate Single-Tuner PIP (KV 27S26, 27V26 29RS26, 29RS26C 29V66M 32S26, 32TW26 34RS26C, 35S26, 37RS26 only)

Check that cable is connected to the VCR and the VCR is turned on

Check that the VCR is connected to the TV

No picture (screen not lit), no sound

Make sure the power cord is plugged in

Operate with the buttons on the TV and the remote control

Insert the batteries in the remote control with the correct polarity

Replace the batteries with new ones if they are weak

Check to see if the TV/VIDEO setting is correct when watching TV, set to TV and when watching video tapes set to VIDEO1 2 or 3

Try another channel It could be station trouble

Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13)

Poor or no picture (screen lit), good sound

Adjust PICTURE in the VIDEO menu (page 19)

Adjust BRIGHTNESS in the VIDEO menu (page 19)

Check antenna/cable connections

Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13)

Remove objects from the front of TV

Check the LIGHTSENSOR setting in the VIDEO menu (page 19)

Good picture, no sound

Press MUTING so that "MUTING" disappears from the screen (page 14)

Check the MTS setting in the AUDIO menu (page 20)

Make sure SPEAKER is set to ON in the AUDIO menu (page 20)

Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13)

No color

Adjust the COLOR in the VIDEO menu (page 19)

Black and white programs cannot be seen in color

Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13)

Only snow and noise appear on the screen

Check the CABLE setting in the SET UP menu (page 22)

Check the antenna/cable connections

Make sure the channel is broadcasting programs

Press ANT to change the input mode (page 15)

Dotted lines or stripes

Adjust the antenna

Move the TV away from noise sources such as cars, neon signs or hair-dryers

Double images or ghosts

Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings)

Cannot operate menu

If the item you want to choose appears in gray you cannot select it Press TV/VIDEO correctly

Troubleshooting (continued)

Cannot receive upper channels (UHF) when using an antenna

Make sure CABLE is OFF in the SET UP menu (page 22)

Use AUTO PROGRAM to add receivable channels that are not presently in TV memory (page 22)

Cannot receive any channels when using cable TV

Make sure CABLE is ON in the SET UP menu (page 22)

Use AUTO PROGRAM to add receivable channels that are not presently in TV memory (page 22)

Remote control does not operate

Batteries could be weak Replace the batteries

Press TV (FUNCTION) when operating your TV

Make sure the TV's power cord is connected securely to the wall outlet

Locate the TV at least 3-4 feet away from fluorescent lights

Check the S-Link connection (page 4 5)

Cannot gain enough volume when using a cable box

Increase the volume at the cable box Then press TV (FUNCTION) and adjust the TV's volume

TV is fixed to one channel

Try turning CHANNEL FIX off (see page 22)

Use AUTO PROGRAM to add receivable channels that are not presently in the TV memory (page 22)

To reset the TV First turn the TV on Then while pressing the RESET key on the remote control press the POWER Key on the TV The TV will turn itself off then back on When the TV turns on again all settings will be reset and the EASY SETUP GUIDE will appear

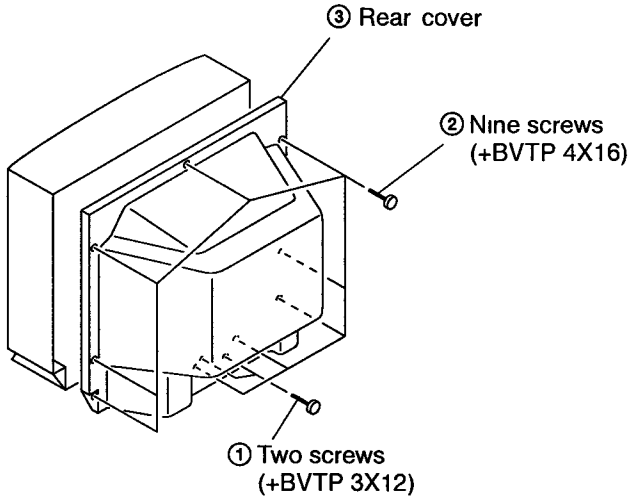
TV malfunctions when using the S-Link function (KV 27V26 27V36 29V36C 29V66M 29V76M 32V26 32V36 34V36C 35V36 35V76 37V36M only)

Make sure the TV's power cord is connected securely to the wall outlet

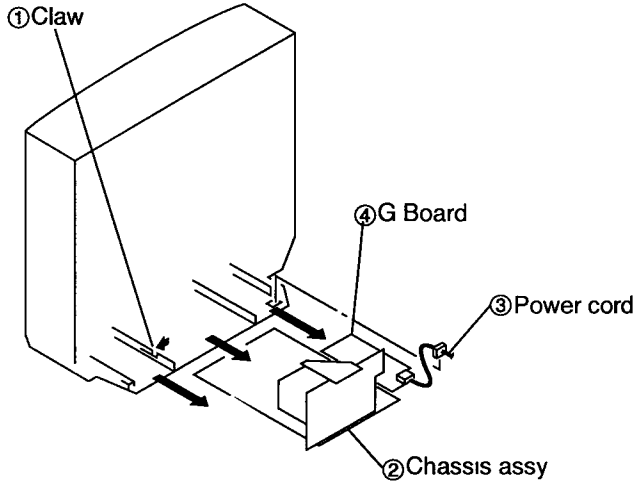
Check the S-Link connection (page 4 5)

SECTION 2
DISASSEMBLY

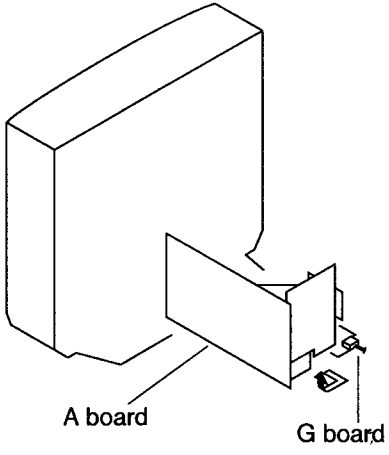
2-1. REAR COVER REMOVAL



2-2. CHASSIS ASSY REMOVAL



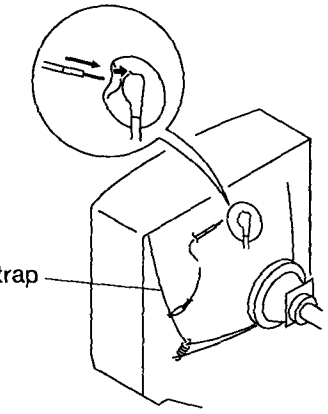
2-3. SERVICE POSITION

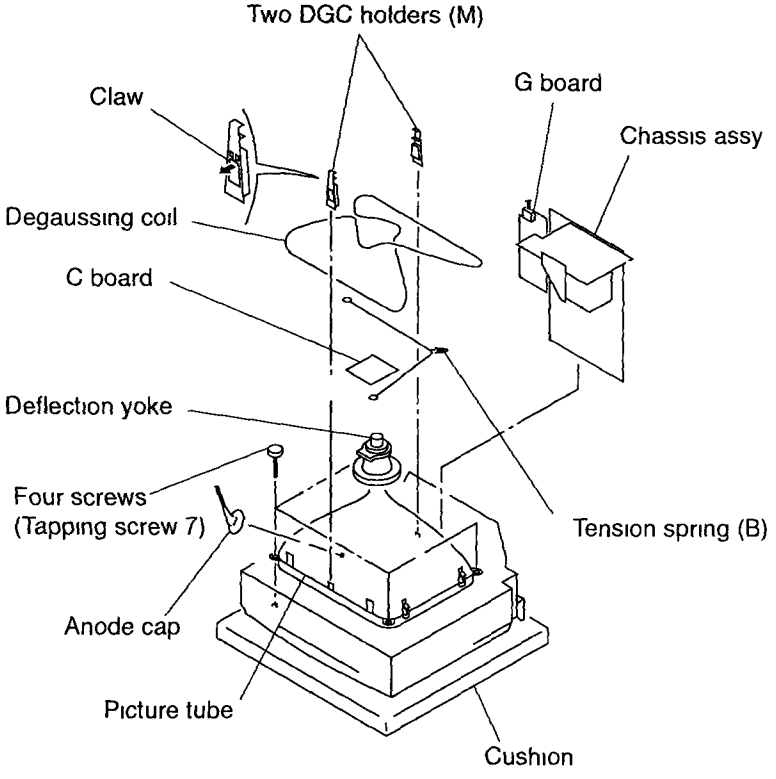


2-4. PICTURE TUBE REMOVAL

WARNING : Before removing anode cap
H V remains in the CRT even after the power is disconnected

To avoid electrical shock before attempting to remove the anode cap, discharge CRT Short between anode and CRT coated earth ground strap



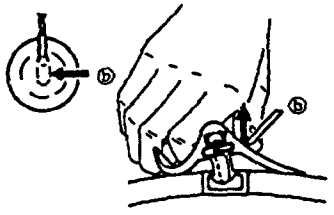


• REMOVAL OF THE ANODE-CAP

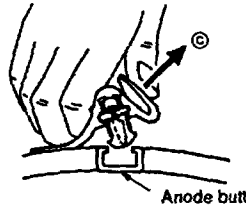
NOTE After removing the anode, short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT

• REMOVAL PROCEDURES

① Turn up one side of the rubber cap in the direction indicated by arrow ⓐ



② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ⓑ



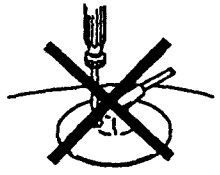
③ When one side of the rubber cap separates from the anode button, the anode-cap can be removed by turning the rubber cap and pulling it in the direction of arrow ⓒ

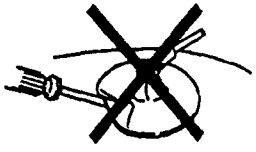
• HOW TO HANDLE AN ANODE-CAP

Do not use sharp objects which may cause damage to the surface of the anode-cap

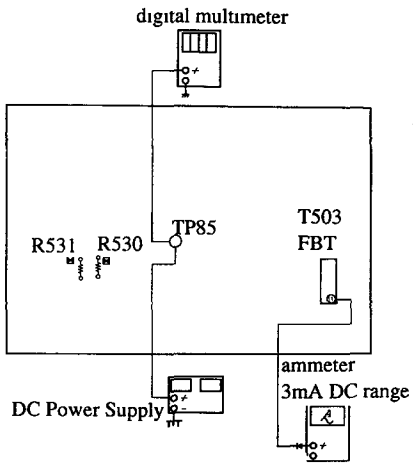
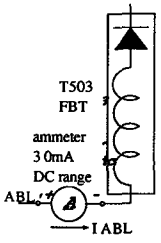
Do not squeeze the rubber covering too hard to avoid damaging the anode-cap A material fitting called a shatter-hook terminal is built into the rubber

Do not force turn the foot of the rubber cover This may cause the shatter-hook terminal to protrude and damage the rubber





SECTION 3
SAFETY RELATED ADJUSTMENTS

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
◪ RESISTOR CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS The following adjustments should always be performed when replacing the components marked with ◪ on the A and G Board schematic diagrams (Hold-down operation confirmation)		◪ marked parts A Board IC351,IC501 D519,D520,D521, C531,C532,R387, R529,R530,R531 R532,R533,R550,T503 G Board IC643, R661	◪ R530,531	A BOARD - CONDUCTOR SIDE - 
Step 1 Preparation before confirmation a) Turn the POWER switch ON, input a white signal and set the PICTURE and BRIGHTNESS controls to maximum	White Picture	TP85 (H PROT)	PICTURE BRIGHTNESS maximum	
b) Confirm that the voltage at the check terminal of TP85 is more than 18 0 VDC when the set is operating normally (120 ± 2 0 VAC) or (220 ±2 0 VAC for KV-29RS22C/ 29RS26C)	Digital multimeter			
Step 2 Input a white signal and verify that I ABL is within the specified range	White Picture		 	[Check Condition]Step 2 2160 ±100 µA 120 $^{+2\,0}_{-0}$VAC (Power Supply) 220 $^{+2\,0}_{0}$ VAC (Power Supply) (KV-29RS22C/ 29RS26C)
Step 3 Record the voltage between TP85 and ground				[Check Condition]Step 4 lower than 22 05 V DC 120 $^{+2\,0}_{-0}$ VAC (Power Supply) 220 $^{+2\,0}_{-0}$ VAC (Power Supply) (KV-29RS22C/ 29RS26C)
Step 4 Using an external DC power supply, apply voltage between TP 85 and ground Increase the voltage gradually and confirm that the hold-down works (raster disappears) at lower than the voltage recorded in Step 3				
Step 5 Confirm that a voltage of more than 18 0 VDC appears between TP85 and ground	White Picture		PICTURE BRIGHTNESS maximum	[Check Condition]Step 5 more than 18 0V DC 120 $^{+2\,0}_{-0}$ VAC (Power Supply) 220 $^{+2\,0}_{-0}$ VAC (Power Supply) (KV-29RS22C/ 29RS26C)

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
B+ VOLTAGE CONFIRMATION The following adjustments should always be performed when replacing the components marked with ◪ on the schematic		G-Board IC643, R661		
1) Supply AC Voltage with a variable auto-transformer	Variable auto-transformer			130 $^{+20}_{0}$ V AC 220 $^{+20}_{0}$ V AC (KV-29RS22C/29RS26C)
2) Input an entirely monoscope signal	Monoscope			
3) Set the PICTURE control and the BRIGHTNESS control to initial reset value			PICTURE, BRIGHTNESS initial reset	
4) Confirm the voltage of the G board CN641 between pin 1 to ground is less than 136 5 VDC		G Board CN641 Pin 1 - ground		
5) If step 4) is not satisfied, replace the R661 and repeat above steps				

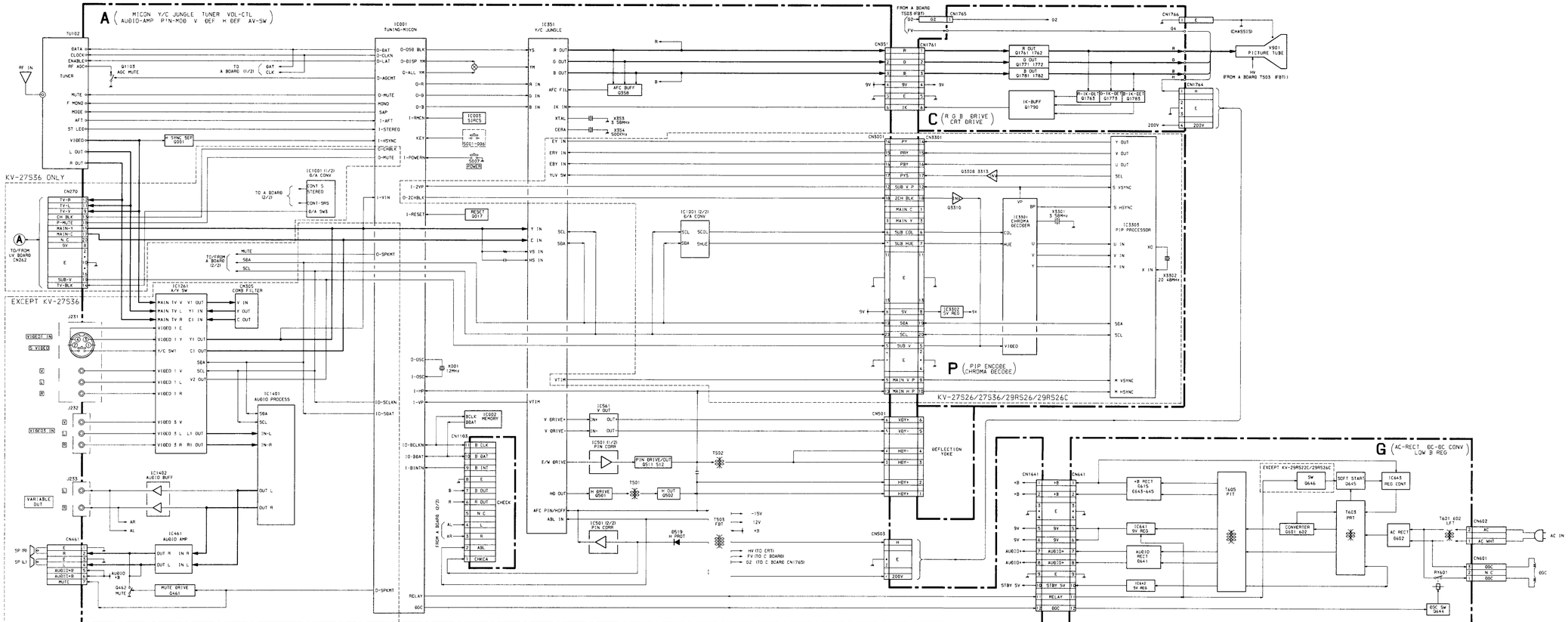
NOTES:

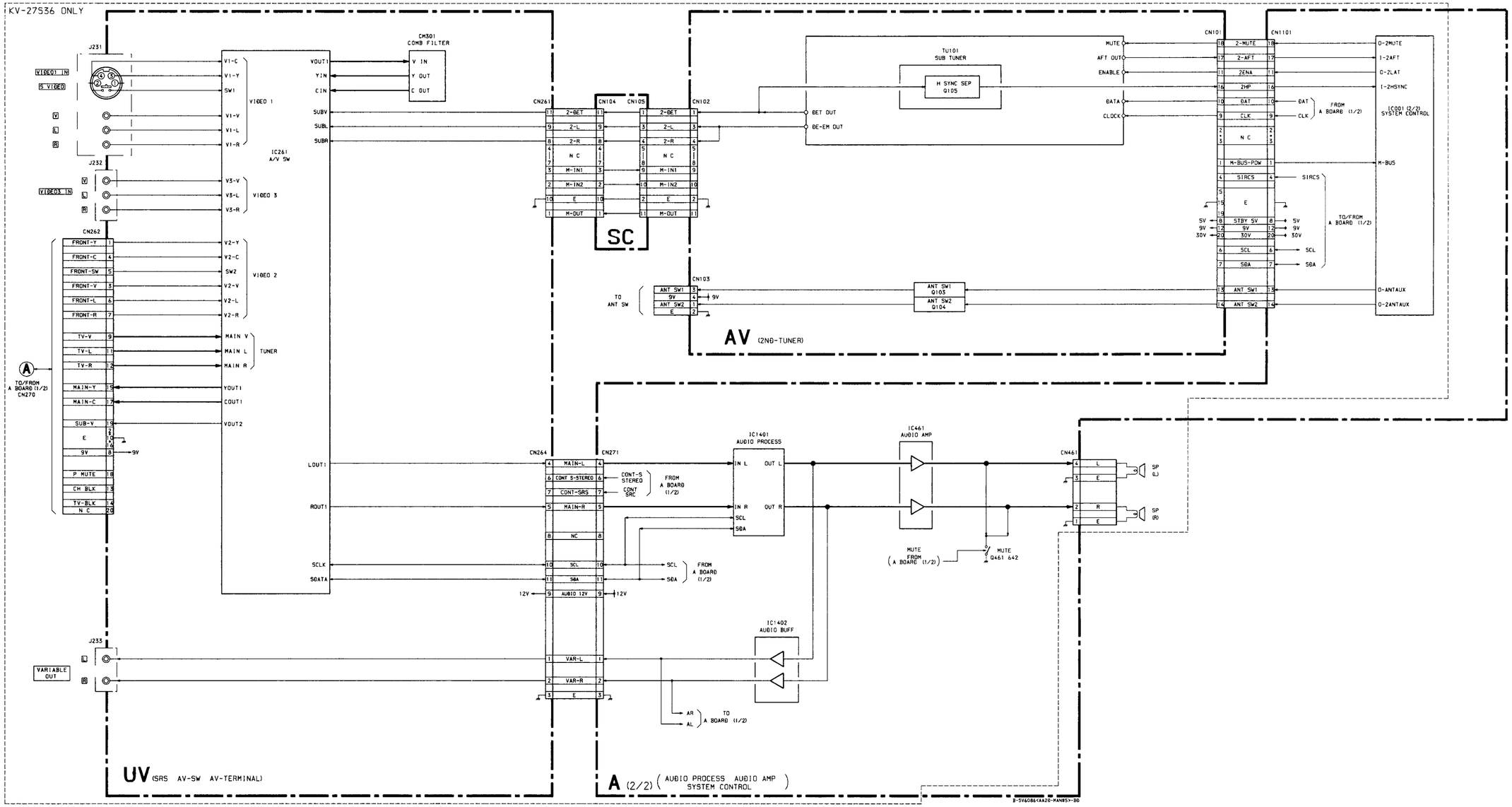
NOTES:

NOTES:

SECTION 4
DIAGRAMS

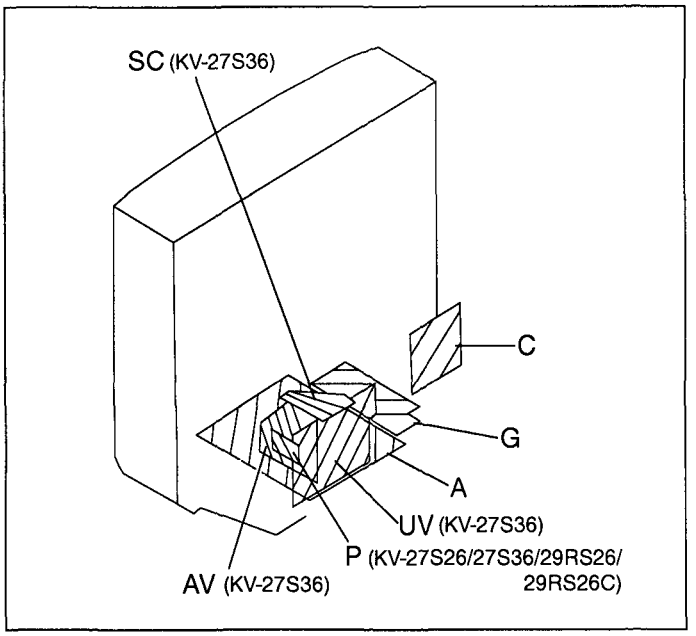
4-1. BLOCK DIAGRAM




KV-27S36 ONLY
J231
VIDEO1 IN
S VIDEO
V
L
R
J232
VIDEO3 IN
CN262
FRONT-Y
FRONT-C
FRONT-SW
FRONT-V
FRONT-L
FRONT-R
TV-V
TV-L
TV-R
MAIN-Y
MAIN-C
SUB-V
9V
P MUTE
CM BLK
TV-BLK
N C
TO/FROM A BOARD (1/2) CN270
V1-C
V1-Y
SW1
V1-V
V1-L
V1-R
VIDEO 1
V3-V
V3-L
V3-R
VIDEO 3
V2-Y
V2-C
SW2
V2-V
V2-L
V2-R
VIDEO 2
MAIN V
MAIN L
MAIN R
TUNER
YOUT1
COUT1
VOUT2
IC261 A/V SW
VOUT1
YIN
CIN
CM301 COMB FILTER
V IN
Y OUT
C OUT
SUBV
SUBL
SUBR
CN261
CN104
CN105
CN102
2-DET
2-L
2-R
N C
M-IN1
M-IN2
E
M-OUT
SC
TU101 SUB TUNER
H SYNC SEP Q105
MUTE
AFT OUT
ENABLE
DATA
CLOCK
DET OUT
DE-EM OUT
CN101
CN1101
2-MUTE
2-AFT
2ENA
2HP
DAT
CLK
N C
M-BUS-POW
SIRCS
E
STBY 5V
9V
30V
SCL
SDA
FROM A BOARD (1/2)
IC001 (2/2) SYSTEM CONTROL
O-2MUTE
I-2AFT
O-2LAT
I-2HSYNC
M-BUS
TO/FROM A BOARD (1/2)
CN103
ANT SW1
9V
ANT SW2
E
TO ANT SW
ANT SW1 Q103
ANT SW2 Q104
O-ANTAUX
O-2ANTAUX
AV (2ND-TUNER)
LOUT1
ROUT1
SCLK
SDATA
12V
CN264
CN271
MAIN-L
CONT S-STEREO
CONT-SRS
MAIN-R
NC
SCL
SDA
AUDIO 12V
CONT-S STEREO
CONT SRC
FROM A BOARD (1/2)
IC1401 AUDIO PROCESS
IN L
OUT L
IN R
OUT R
SCL
SDA
IC461 AUDIO AMP
MUTE FROM (A BOARD (1/2))
MUTE Q461 642
CN461
L
E
R
E
SP (L)
SP (R)
J233
VARIABLE OUT
VAR-L
VAR-R
E
IC1402 AUDIO BUFF
AR
AL
TO A BOARD (1/2)
UV (SRS AV-SW AV-TERMINAL)
A (2/2) (AUDIO PROCESS AUDIO AMP SYSTEM CONTROL)
B-5V6086<AA20-MAN1S>-80

SECTION 4
DIAGRAMS

4-2. CIRCUIT BOARDS LOCATION



4-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note

- All capacitors are in μF unless otherwise noted pF μμF 50WV or less are not indicated except for electrolytics and tantalums
- All electrolytics are in 50V unless otherwise specified
- All resistors are in ohms
  kΩ=1000Ω, MΩ=1000kΩ
- Indication of resistance, which does not have one for rating electrical power, is as follows

Pitch 5mm
Rating electrical power 1/4 W

- 1/4 W in resistance, 1/10 W and 1/8 W in chip resistance
- nonflammable resistor
- fusible resistor
- △ internal component
- panel designation and adjustment for repair
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted
- The components identified by ⊠ in this basic schematic diagram have been *carefully factory-selected for each set in order to satisfy regulations regarding* X-ray radiation
  Should replacement be required, replace only with the value originally used
- When replacing components identified by ◪ , make the necessary adjustments indicated If results do not meet the specified value, change the component identified by ⊠ and repeat the adjustment until the specified value is achieved
  (Refer to R530 and R531 adjustment on Page 14 – 15)
- When replacing the part in below table, be sure to perform the related adjustment

Part replaced(◪)	Adjustment(⊠)
IC351,IC501, D519, D520, D521 C531,C532,R387,R529,R530, R531, R532,R333,R550,T503 A BOARD IC643,R661 G BOARD	R530,R531

Reference information

RESISTOR	RN	METAL FILM
	RC	SOLID
	FPRD	NONFLAMMABLE CARBON
	FUSE	NONFLAMMABLE FUSIBLE
	RW	NONFLAMMABLE WIREWOUND
	RS	NONFLAMMABLE METAL OXIDE
	RB	NONFLAMMABLE CEMENT
	X	ADJUSTMENT RESISTOR
COIL	LF-8L	MICRO INDUCTOR
CAPACITOR	TA	TANTALUM
	PS	STYROL
	PP	POLYPROPYLENE
	PT	MYLAR
	MPS	METALIZED POLYESTER
	MPP	METALIZED POLYPROPYLENE
	ALB	BIPOLAR
	ALT	HIGH TEMPERATURE
	ALR	HIGH RIPPLE

Note

The symbol ⊣▭⊢ display is on the component side

The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified

The symbol ⊣▭⊢ indicate fast operating fuse
Replace only with fuse of same rating as marked

Note

Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piéce portant le numéro specifie

Le symbole ⊣▭⊢ indique une fusible a action rapide Doit etre remplacee par une fusible de meme yaleur, comme maque

P BOARD IC VOLTAGE LIST

IC3301	
pin	volt
1	GND
2	NC
3	GND
4	4.0
5	6.8
6	GND
7	0.2
8	0
9	1.8
10	0.3
11	8.2
12	8.2
13	3.9
14	3.4
15	GND
16	2.8
17	NC
18	2.5
19	3.5
20	3.0

21	3.0
22	4.7
23	GND
24	2.9

IC3302	
pin	volt
IN	9.1
OUT	5.3

IC3303	
pin	volt
1	GND
2	3.2
3	2.6
4	2.3
5	5.1
6	GND
7	0.5
8	0
9	0.6
10	5.2
11	2.1

12	0.3
13	NC
14	-3.0
15	GND
16	GND
17	0.7
18	0.5
19	0.2
20	0.3
21	5.1
22	5.2
23	NC
24	NC
25	GND
26	NC
27	GND
28	2.3
29	5.2
30	2.6
31	4.2
32	2.5

All voltages are in V

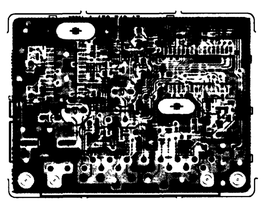
P BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q3301	5.3	9.1	4.7
Q3305	0.5	GND	1.2
Q3306	0.8	GND	1.4
Q3307	0.6	GND	1.3
Q3308	0	2.8	GND
Q3310	0	5.2	GND
Q3312	0	0	0.8
Q3313	0.8	0.4	GND

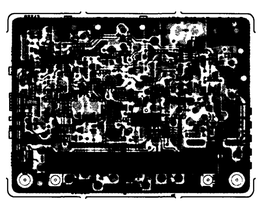
All voltages are in V

P [P in P]
(KV-27S26/27S36/29RS26/29RS26C)

< COMPONENT SIDE>

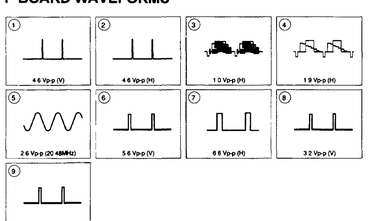


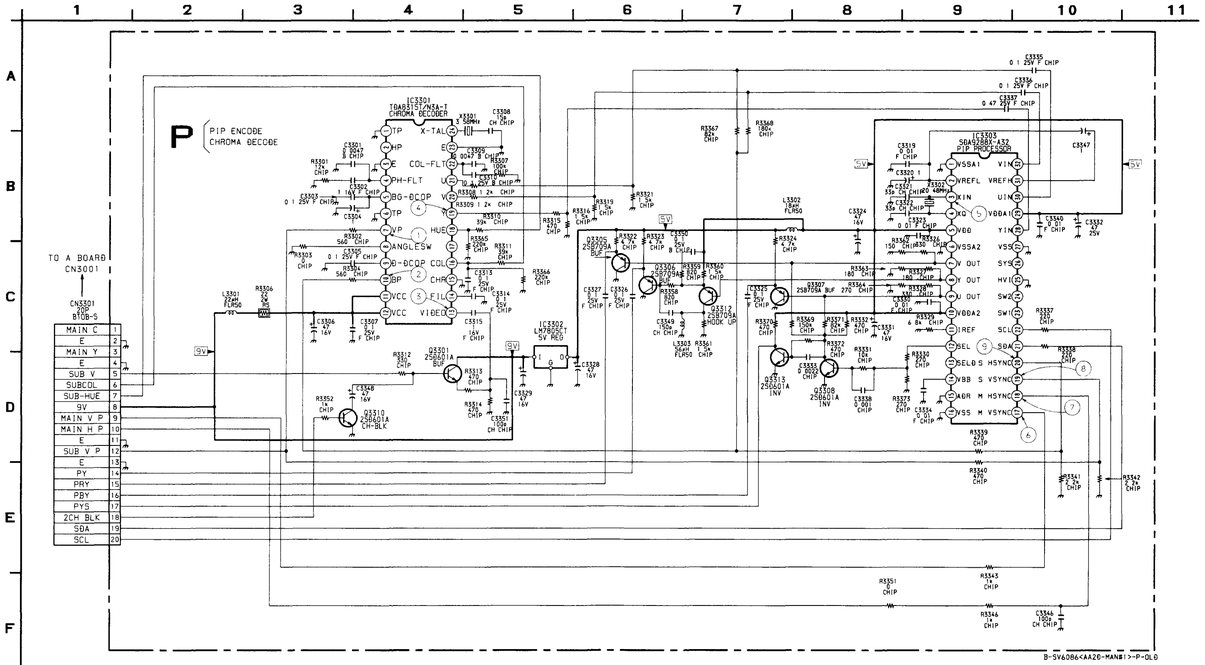
<CONDUCTOR SIDE>

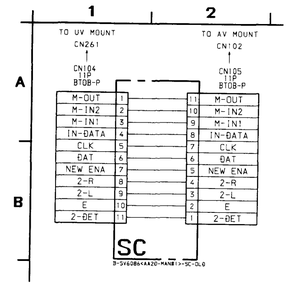


Pattern from the side which enables seeing
Pattern of the rear side

P BOARD WAVEFORMS

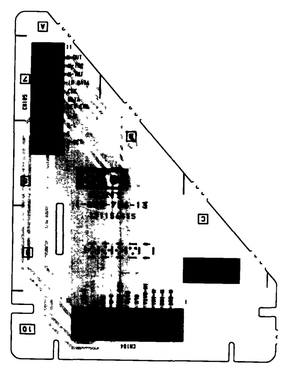






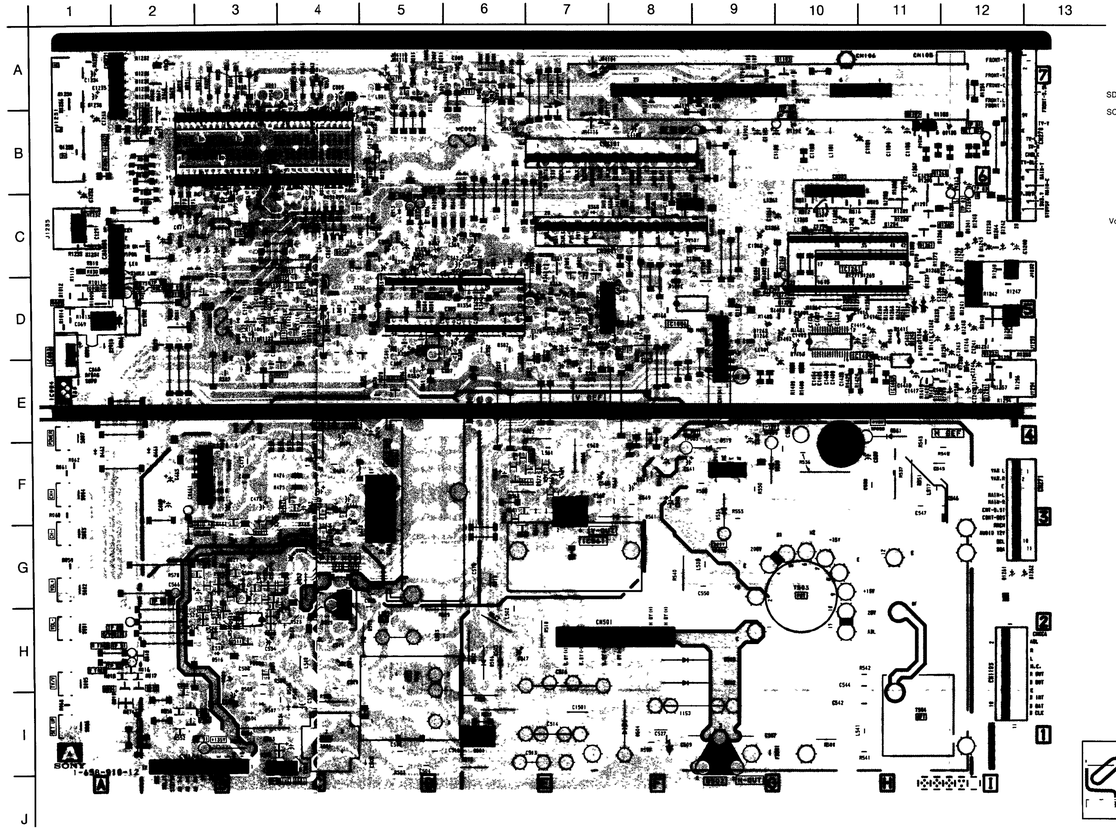
SC (KV-27S36 ONLY)

— SC BOARD —



A [MICON, Y/C/J, TUNER, VOL-CTL, AUDIO-AMP, PIN-MOD, V DEF, H DEF, AV-SW]

— A BOARD —



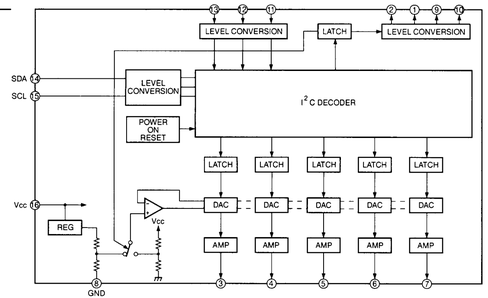
A BOARD LOCATOR LIST

DIODE		IC003	D-1
D001	A-5	IC351	D-5
D002	D-3	IC461	F-5
D003	A-5	IC501	H-3
D004	C-2	IC561	G-7
D005	D-1	IC1001	D-8
D006	D-1	IC1401	D-10
D011	A-5	IC1402	E-11
D013	C-5	TRANSISTOR	
D014	D-3	Q001	A-5
D015	C-4	Q002	C-4
D353	D-7	Q003	H-2
D356	E-3	Q004	H-1
D360	E-7	Q010	D-4
D362	E-7	Q011	D-4
D368	C-7	Q012	D-4
D462	F-1	Q013	D-4
D501	H-3	Q014	D-3
D502	H-9	Q015	D-3
D503	H-9	Q016	D-3
D504	I-8	Q017	A-5
D505	H-6	Q301	C-7
D506	H-6	Q302	C-7
D507	I-3	Q303	C-7
D515	H-5	Q354	D-7
D516	H-3	Q356	C-4
D518	I-4	Q357	E-5
D519	F-9	Q358	D-8
D520	G-3	Q461	G-3
D521	G-3	Q462	F-3
D530	F-9	Q501	J-4
D531	E-11	Q502	J-9
D534	F-9	Q511	H-3
D561	F-8	Q512	H-4
D562	G-3	D551	I-2
D1102	B-10	D552	I-2
D1103	B-12	Q561	F-8
D1247	E-12	Q562	F-8
D1248	E-12	Q563	H-2
D1261	G-12	Q1102	A-11
D1262	G-12	Q1103	A-10
D1263	D-9	Q1231	E-12
D1264	E-9	Q1232	E-12
IC		Q1261	C-11
IC001	B-4	Q1262	C-11
IC002	C-3	Q1263	B-11

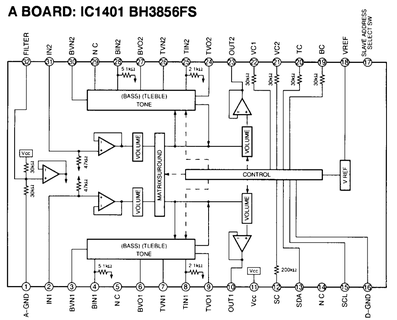
Schematic diagrams

← P SC boards A board →

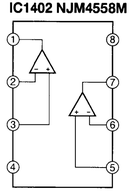
A BOARD: IC1001 CXA1315M



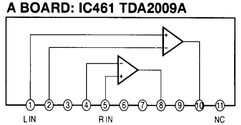
A BOARD: IC1401 BH3856FS



A BOARD: IC1402 NJM4558M

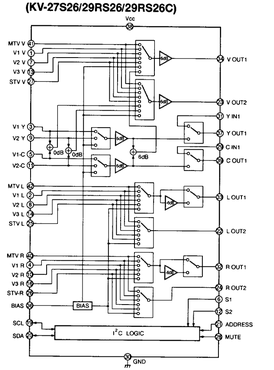


A BOARD: IC461 TDA2009A

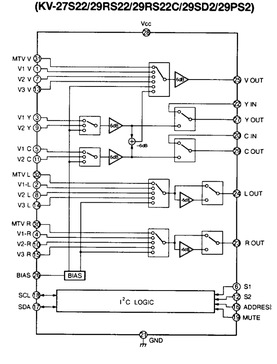


NOTE
Portions of the circuit marked as shown are high voltage areas Use care to prevent electric shocks during inspection or repair

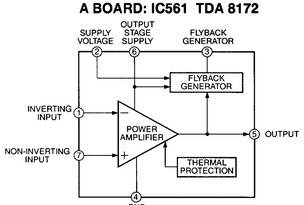
A BOARD IC1261 MM1313AD (KV-27S26/29RS26/29RS26C)

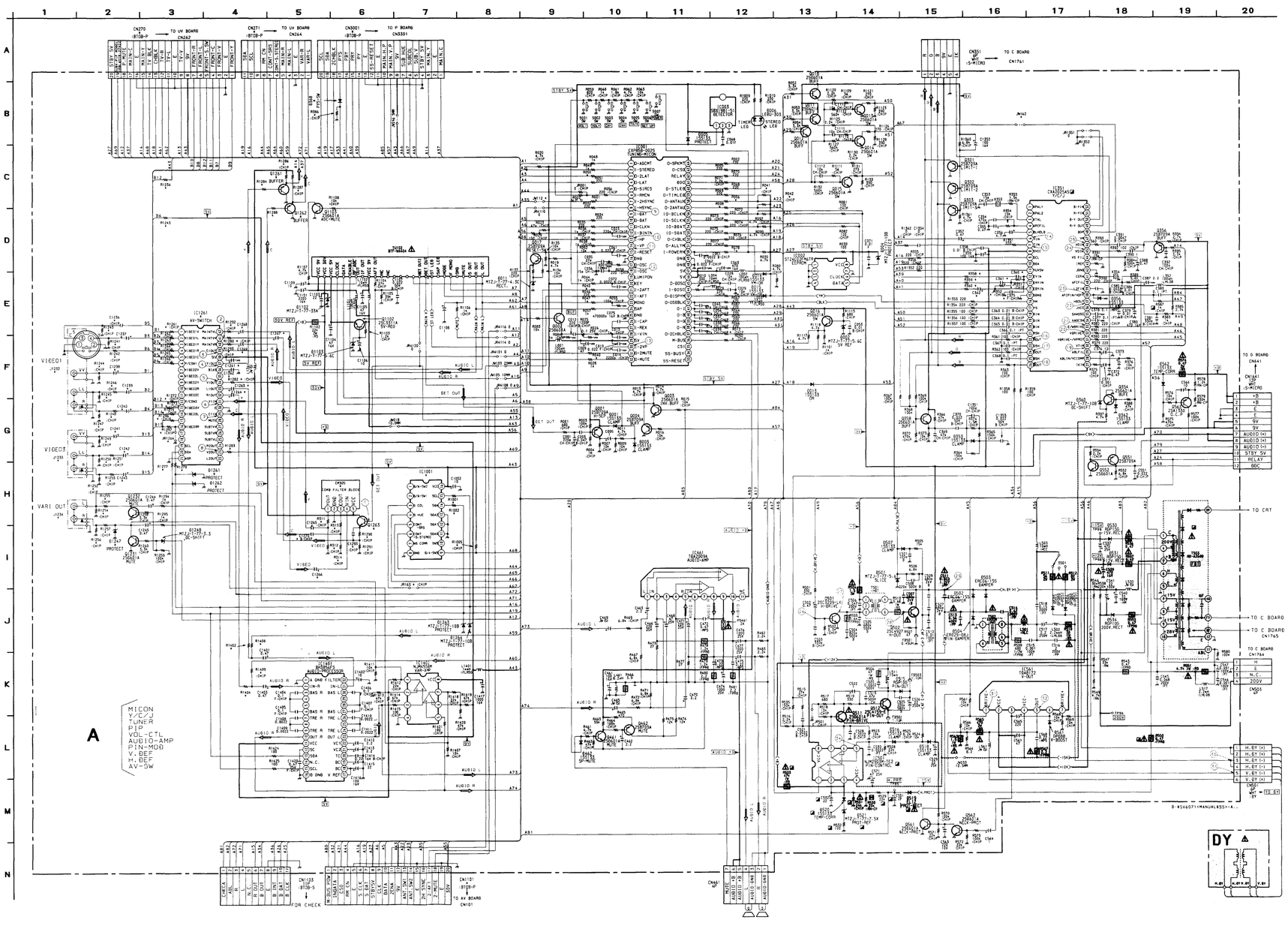


A BOARD IC1261 MM1311AD (KV-27S22/29RS22/29RS22C/29SD2/29PS2)



A BOARD: IC561 TDA 8172





A BOARD (*) MARK LIST

	KV-27S22/ 29RS22/ 29RS22C/ 29SD2/ 29PS2	KV-27S26/ 29RS26/ 29RS26C	KV-27S36
C360	#	JW(5)	JW(5)
C361	#	JW(5)	JW(5)
C362	#	JW(5)	JW(5)
C375	0.1	#	#
C1236	#	0.01	#
C1237	#	0.047	#
C1238	0.047	0.047	#
C1239	1	1	#
C1240	1	1	#
C1241	#	0.047	#
C1242	#	1	#
C1243	#	1	#
C1261	47 16V	47 16V	#
C1262	47 16V	47 16V	#
C1263	1	1	#
C1264	1	1	#
C1265	0.1	0.1	#
C1266	47 16V	47 16V	#
C1267	0.047	0.047	#
C1268	1	1	#
C1269	1	1	#
C1270	0.01	0.01	#
C1293	100p	100p	#
CM305	1-467-548-21	#	#
CN270	#	#	20P
CN271	#	#	11P
CN1101	#	#	20P
CN3001	#	20P	20P
D368	#	1SS133	1SS133
D1247	MTZJ-T-77-10B	MTZJ-T-77-10B	#
D1261	MTZJ-T-77-10B	MTZJ-T-77-10B	#
D1262	MTZJ-T-77-10B	MTZJ-T-77-10B	#
IC1001	#	CXA1315M	CXA1315M
IC1261	MM1311	MM1313	#
J1232	3P	S3P	#
J1233	#	3P	#
J1234	2P	2P	#
JR351	0	#	#
JR352	0	#	#
JR1264	0	#	#
JW112	#	#	10MM
JW162	#	7.5MM	7.5MM
Q1261	2SB709A	2SB709A	#
Q1262	2SB709A	2SB709A	#
Q1263	2SD601A	2SD601A	#
R006	#	#	220
R008	#	#	220
R012	#	220	220
R031	#	#	220
R040	#	#	220
R041	#	#	4.7K
R042	#	#	4.7K
R043	#	#	1K
R045	#	#	220
R050	#	#	220
R090	#	#	220
R311	0	0	#
R312	1K	1K	#
R313	0	0	#
R314	1K	1K	#
R358	#	220	220
R359	#	220	220
R360	#	220	220
R386	#	1K	1K
R1001	#	100	100
R1002	#	100	100
R1005	#	10K	10K
R1234	100K	100K	#
R1240	#	75	#
R1241	#	75	#
R1242	#	4.7K	#
R1243	100K	100K	#
R1244	75	75	#
R1245	470K	470K	#
R1246	4.7K	4.7K	#
R1247	470K	470K	#
R1248	4.7K	4.7K	#
R1249	#	75	#
R1250	#	470K	#
R1251	#	4.7K	#
R1252	#	470K	#
R1253	#	4.7K	#
R1254	470K	470K	#
R1255	1K	1K	0
R1256	470K	470K	#
R1257	1K	1K	#
R1261	220	220	#
R1262	100	100	#
R1263	#	220	#
R1264	100	100	#
R1265	#	220	#
R1266	100	100	#
R1272	100	#	#
R1273	#	220	#
R1274	#	100	#
R1277	220	220	#
R1278	220	220	#
R1280	100	100	#
R1282	100	100	#
R1283	#	22	#
R1284	100	100	#
R1286	1K	1K	#
R1287	1K	1K	#
R1288	100	100	#
R1290	470	470	#
R1291	680	680	#
R1292	4.7K	4.7K	#
R1293	4.7K	4.7K	#
R1296	100	#	#
R1297	#	100	#
R1402	10K	10K	#
R1404	10K	10K	#
R1408	#	#	10K
R1409	#	#	10K

#: Not Mounted

A BOARD IC VOLTAGE LIST

IC001			
pin	volt		
1	0		
2	0		
3	0		
4	0		
5	0		
6	5.0		
7	0		
8	0		
9	0.8		
10	0		
11	0		
12	5.0		
13	4.2		
14	1.3		
15	5.0		
16	GND		
17	2.6		
18	*		
19	3.1		
20	5.0		
21	2.0		
22	2.0		
23	0		
24	0		
25	GND		
26	0		
27	1.6		
28	2.4		
29	5.0		
30	0.2		
31	0		
32	0		
33	0		
34	0		
35	0		
36	0		
37	0		
38	0		
39	0		
40	0		
41	0		
42	0		
43	0		
44	3.0		
45	3.0		
46	5.0		
47	5.0		
48	GND		
49	GND		
50	5.0		
51	0		
52	0		

IC002	
pin	volt
1	GND
2	GND
3	GND
4	GND
5	5.0
6	GND
7	GND
8	5.0

IC003	
pin	volt
1	5.2
2	5.2
3	GND

IC351	
pin	volt
1	NC
2	NC
3	2.2
4	5.9
5	4.1
6	4.6
7	4.3
8	9.2
9	5.2
10	5.2
11	0.3
12	6.6
13	6.3
14	6.3
15	GND
16	0
17	0
18	5.2
19	5.2
20	5.2
21	4.0
22	2.2
23	5.1
24	1.8
25	4.5

26	2.3	32	4.4
27	4.7	33	4.4
28	1.7	34	5.3
29	6.8	35	0.0
30	0.7	36	4.5
31	3.1	37	4.5
32	3.2	38	9.2
33	3.7	39	3.6
34	4.5	40	4.4
35	4.8	41	5.4
36	8.7	42	4.4
37	3.4		
38	3.6		
39	4.1		
40	4.3		
41	2.5		
42	GND		
43	2.8		
44	2.8		
45	4.1		
46	3.3		
47	5.0		
48	0.4		
49	0		
50	0		

IC461	
pin	volt
1	1.5
2	3.5
3	12.2
4	3.5
5	1.5
6	0
7	0
8	0.3
9	22.1
10	0.3
11	0
12	4.4
13	4.4
14	4.4
15	0
16	4.4
17	0
18	0
19	5.2
20	5.2
21	0
22	4.4
23	5.2
24	4.5
25	4.4
26	4.4
27	4.5
28	0.3
29	5.0
30	GND
31	5.8

5	0.0	1	0.0
6	13.4	2	0.0
7	1.6	3	3.2
IC1001		4	2.8
pin	volt	5	0.6
1	0.0	6	0.6
2	0.0	7	3.8
3	3.2	8	GND
4	2.8	9	0
5	0.6	10	0
6	0.6	11	GND
7	3.8	12	GND
8	GND	13	GND
9	0	14	5.0
10	0	15	5.0
11	GND	16	8.7
12	GND	IC1261	
13	GND	pin	volt
14	5.0	1	5.1
15	5.0	2	4.4
16	8.7	3	5.1
IC1261		4	4.4
pin	volt	5	5.0
1	5.1	6	4.5
2	4.4	7	8.2
3	5.1	8	4.4
4	4.4	9	6.0
5	5.0	10	4.4
6	4.5	11	5.1
7	8.2	12	0.3
8	4.4	13	0.3
9	6.0	14	4.4
10	4.4	15	0
11	5.1	16	4.4
12	0.3	17	0
13	0.3	18	0
14	4.4	19	5.2
15	0	20	5.2
16	4.4	21	0
17	0	22	4.4
18	0	23	5.2
19	5.2	24	4.5
20	5.2	25	4.4
21	0	26	4.4
22	4.4	27	4.5
23	5.2	28	0.3
24	4.5	29	5.0
25	4.4	30	GND
26	4.4	31	5.8
27	4.5	32	4.4
28	0.3	33	4.4
29	5.0	34	5.3
30	GND	35	0.0
31	5.8	36	4.5
		37	4.5
		38	9.2
		39	3.6
		40	4.4
		41	5.4
		42	4.4
		IC1401	
		pin	volt
		1	GND
		2	4.3
		3	4.3
		4	4.3
		5	0
		6	4.3
		7	4.3
		8	4.4
		9	4.4
		10	4.4
		11	8.7
		12	3.8
		13	4.9
		14	0
		15	5.0
		16	0
		17	4.0
		18	4.0
		19	2.0
		20	2.0
		21	0
		22	0
		23	4.3
		24	4.3
		25	4.3
		26	4.3
		27	4.3
		28	4.3
		29	0
		30	4.3
		31	4.3
		32	5.6
		IC1402	
		pin	volt
		1	4.2
		2	4.3
		3	4.3
		4	GND
		5	4.3
		6	4.3
		7	4.3
		8	8.7

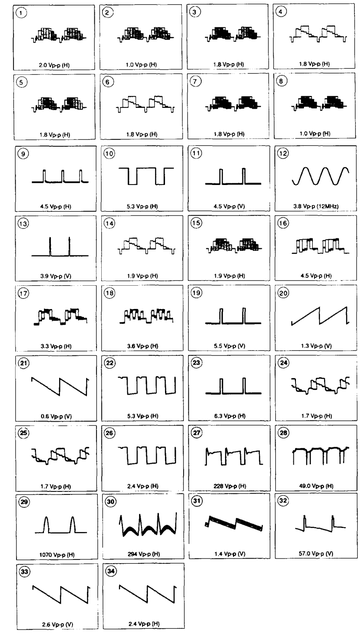
All voltages are in V
Cannot be measured

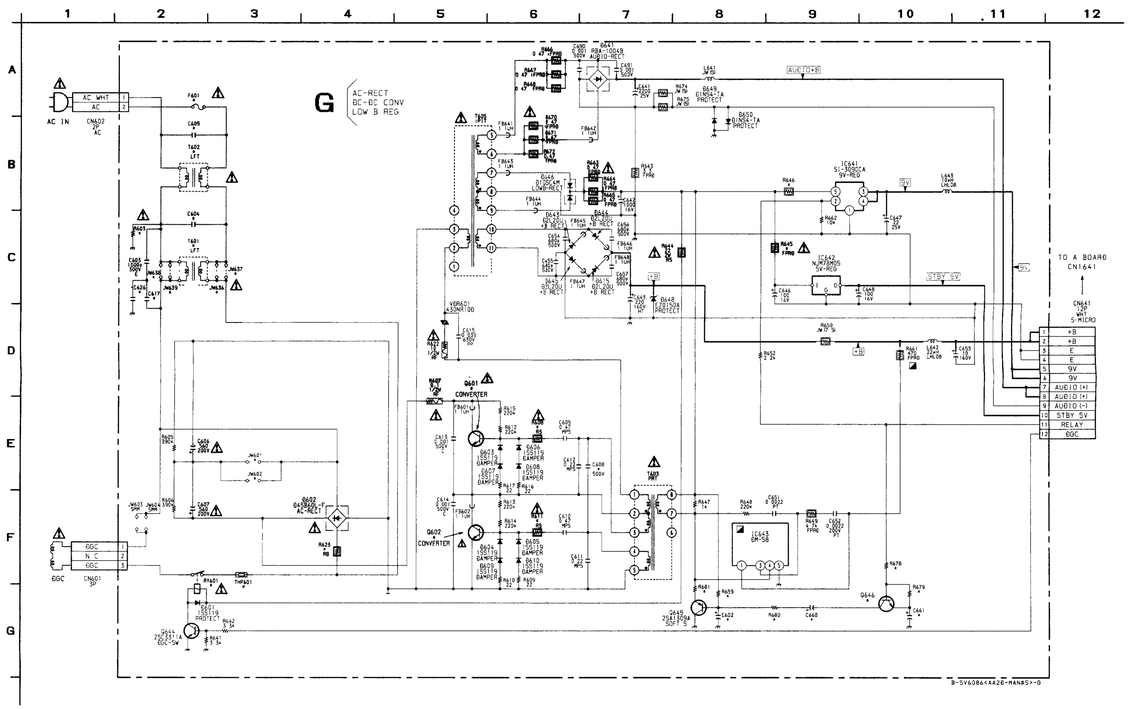
A BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q001	5.2	0.9	5.0
Q002	4.8	5.0	4.1
Q003	-0.4	4.2	GND
Q004	0.8	GND	1.3
Q010	0	8.7	0
Q011	0	8.7	0
Q012	0	8.7	0
Q013	-0.2	0	GND
Q014	-0.2	0	GND
Q015	-0.2	0	GND
Q016	5.8	8.7	5.1
Q017	4.4	5.0	5.0
Q301	4.0	GND	2.2
Q302	4.0	GND	1.8
Q303	4.0	GND	2.0
Q354	0.2	GND	-0.5
Q356	4.9	GND	5.6
Q358	1.9	8.7	2.0
Q461	0.8	0	0
Q462	20.0	20.6	20.7
Q501	-0.7	105.6	GND
Q502	-0.27	130.8	0
Q511	-14.9	-13.0	-15.1
Q512	-16.2	-22	-15.9
Q551	4.2	0	4.8
Q552	0	4.2	0
Q561	0.6	0	GND
Q562	0.06	0.02	GND
Q563	134.3	0.4	134.7
Q1102	6.0	9.2	5.3
Q1103	0	2.5	GND
Q1231	0	0	GND
Q1232	0	0	GND
Q1261	4.4	GND	5.1
Q1262	3.7	GND	4.3
Q1263	4.6	9.2	3.9

All voltages are in V

A BOARD WAVEFORMS





G BOARD IC VOLTAGE LIST

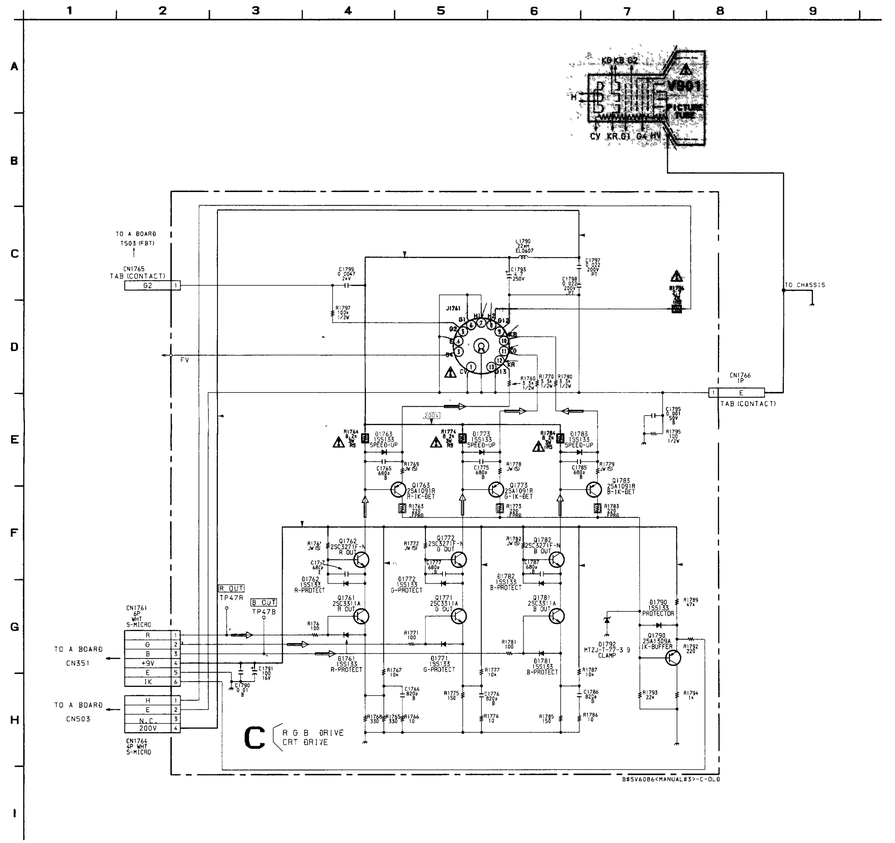
	pin	volt
IC641	1	GND
	2	3 9
	3	8 9
	4	8 9
	5	10 5
IC642	IN	9 5
	OUT	5 0
IC643	1	135
	2	NC
	3	2 5
	4	7 8
	5	GND

All voltages are in V

G BOARD TRANSISTOR VOLTAGE LIST

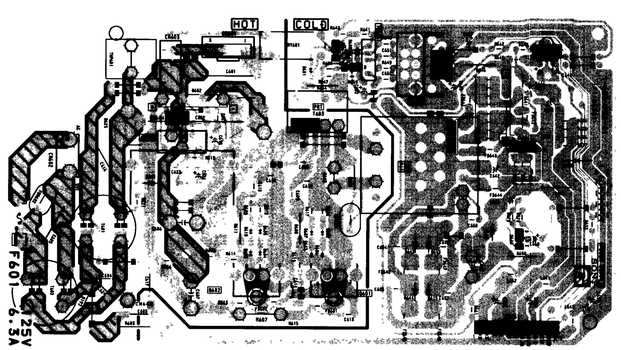
	B	C	E
Q601	145 2	294 0	147 5
Q602	-1 7	147 5	GND
Q644	-0 3	10 5	GND
Q645	7 0	GND	7 6
Q646	4 8	7.4	4 8

All voltages are in V



G [AC-RECT, DC-DC CONV , LOW B REG]

— G BOARD —



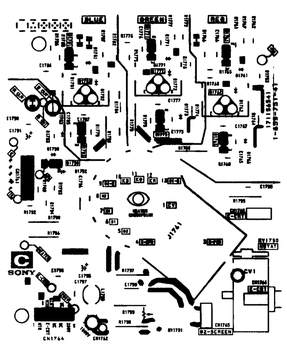
G BOARD (*) MARK LIST

	KV-27S22/ 27S26	KV-27S36	KV-29RS26C/ 29RS22C	KV-29RS26/29PS2/2 9SD2/29RS22
C602	#	#	4 7	#
C604	#	22 125V	#	#
C605	22/125V	22 125V	22/300V	22/125V
C608	680p/500V	680p/500V	001/500V	680p/500V
C617	1000p 250V	1000p 250V	1000p 250V	#
C626	JW(7 5)	JW(7 5)	100p/300V	JW(7 5)
C660	JW(5)	JW(5)	#	JW(5)
C661	4 7	4 7	#	4 7
F601	6 3A/125V	6 3A/125V	6 3A/250V	6 3A/125V
JW601	5MM	5MM	#	5MM
JW602	5MM	5MM	#	5MM
JW636	#	#	10MM	10MM
JW637	#	#	10MM	10MM
JW638	#	#	10MM	10MM
JW639	#	#	10MM	10MM
Q601	2SC4834MNP	2SC4834MNP	2SC4834NP	2SC4834MNP
Q602	2SC4834MNP	2SC4834MNP	2SC4834NP	2SC4834MNP
Q646	2SC3311A	2SC3311A	#	2SC3311A
R603	2 2M 1/2W	2 2M 1/2W	8 2M 1W	2 2M 1/2W
R608	1 8 2W	1 8 2W	1 2W	1 8 2W
R611	1 8 2W	1 8 2W	1 2W	1 8 2W
R623	1 20W	1 20W	3 9 20W	1 20W
R645	JW(5)	JW(5)	10 1/2W	JW(5)
R646	1 2W	JW(7 5)	JW(7 5)	1 2W
R659	#	#	10K	#
R678	22K	22K	#	22K
R679	22K	22K	#	22K
R680	10K	10K	#	10K
R681	150	150	JW(5)	150
RY601	1-755-018-11	1-755-146-11	1-755-018-11	1-755-018-11
T601	1-426-717-11	1-426-717-11	#	#
T602	1-424-220-21	1-424-220-21	1-426-717-11	1-426-717-11
TH601	1-809-539-21	1-809-539-21	1-809-827-11	1-809-539-21

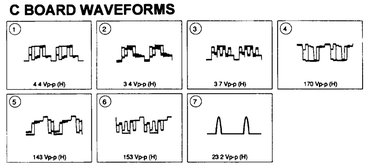
Not Mounted

C [R,G,B DRIVE, CRT DRIVE]

— C BOARD —



C BOARD WAVEFORMS



C BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q1761	2 2	8 2	1 7
Q1762	8 7	134 1	8 2
Q1763	134 1	2 3	132 0
Q1771	1 8	8 2	1 3
Q1772	8 7	146 4	8 2
Q1773	146 4	2 3	144 1
Q1781	2 1	8 2	1 6
Q1782	8 7	133 7	8 2
Q1783	133 7	2 3	131 5
Q1790	2 2	0 2	2 5

All voltages are in V

Schematic diagrams

← A board G C boards →

G BOARD IC VOLTAGE LIST

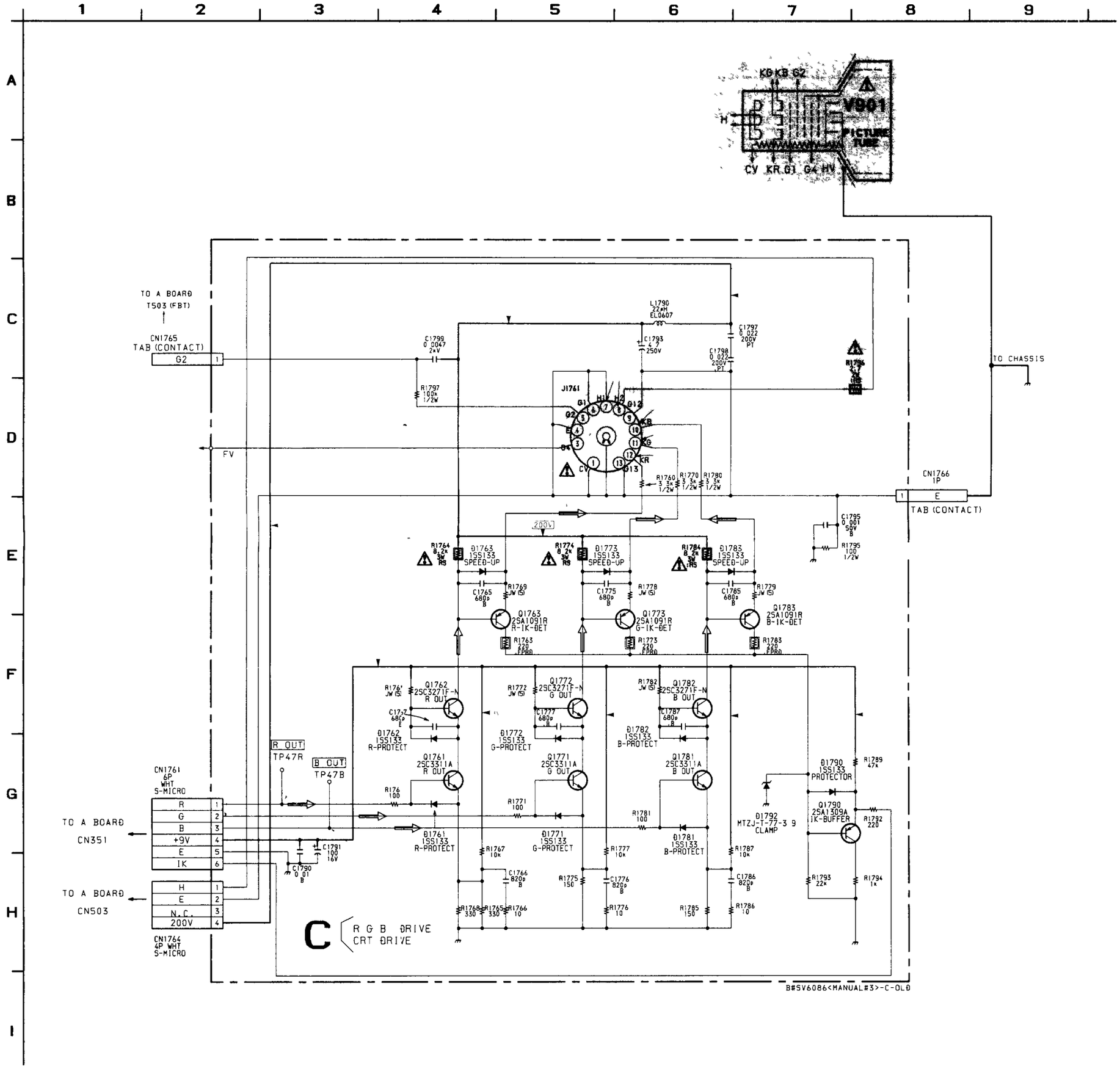
	pin	volt
IC641	1	GND
	2	3 9
	3	8 9
	4	8 9
	5	10 5
IC642	IN	9 5
	OUT	5 0
IC643	1	135
	2	NC
	3	2 5
	4	7 8
	5	GND

All voltages are in V

G BOARD TRANSISTOR VOLTAGE LIST

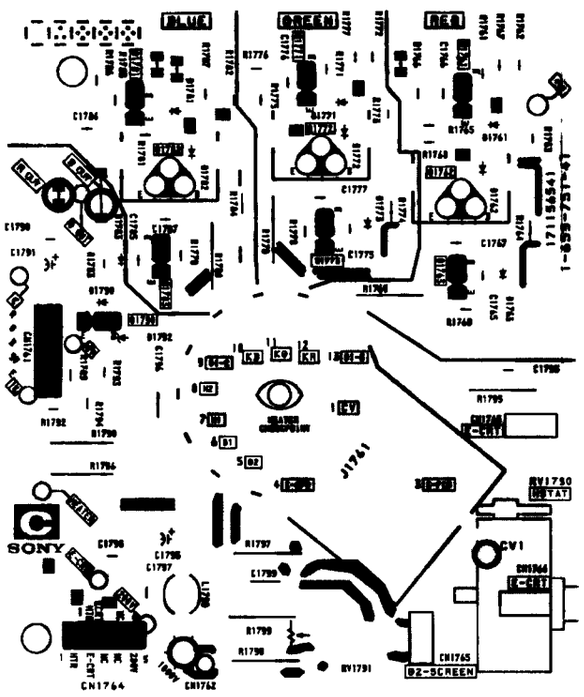
	B	C	E
Q601	145 2	294 0	147 5
Q602	-1 7	147 5	GND
Q644	-0 3	10 5	GND
Q645	7 0	GND	7 6
Q646	4 8	7,4	4 8

All voltages are in V

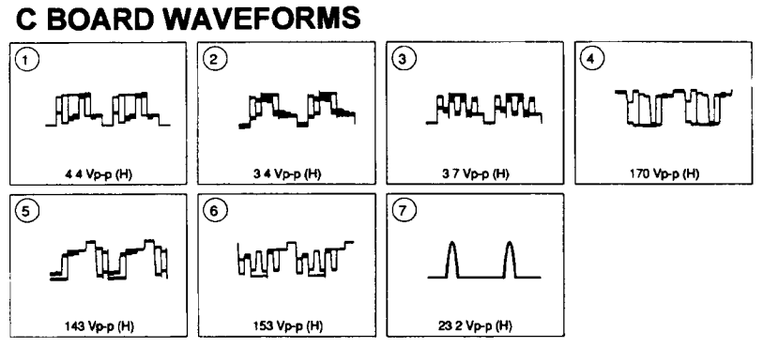


C [R,G,B DRIVE, CRT DRIVE]

— C BOARD —



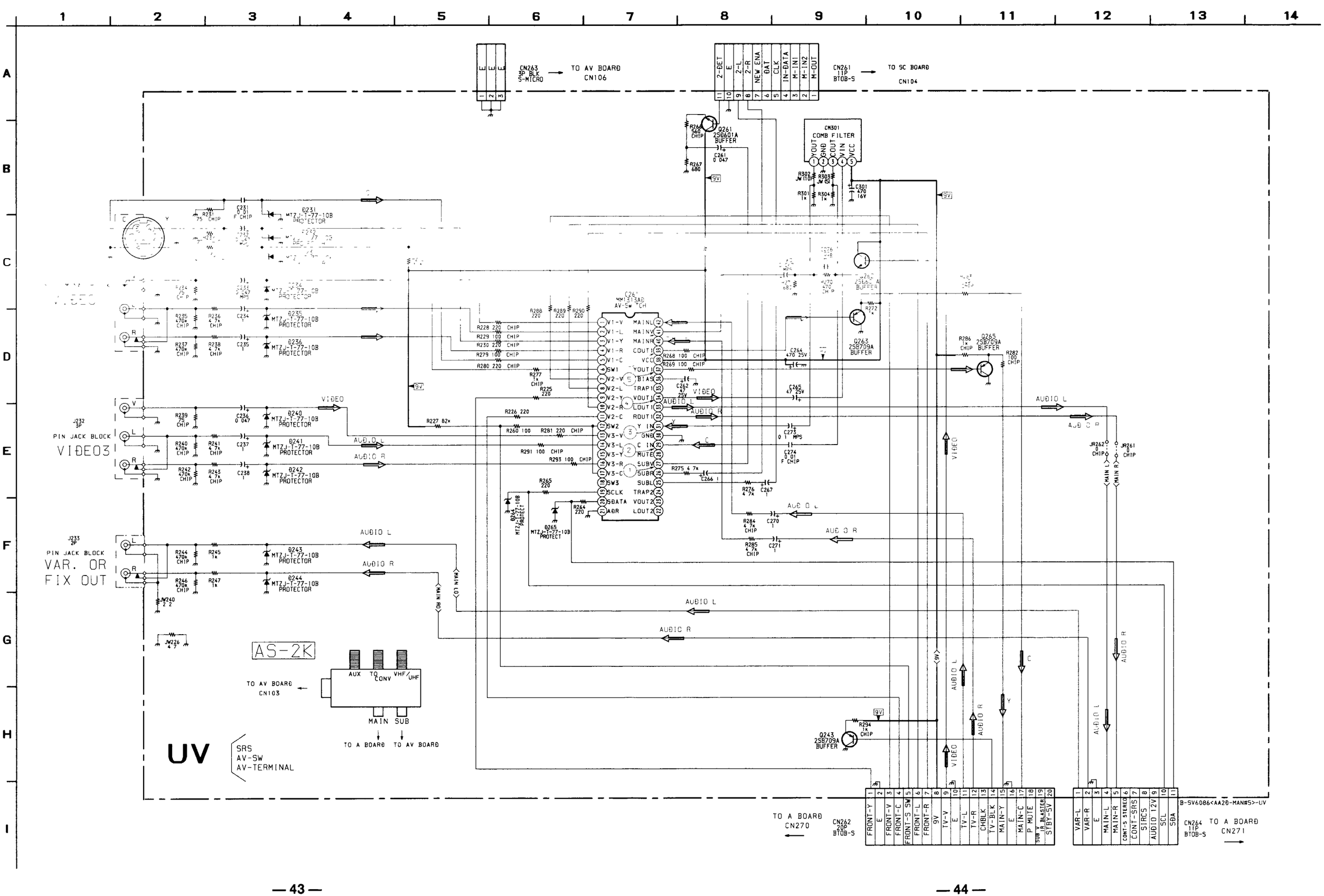
C BOARD WAVEFORMS



C BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q1761	2 2	8 2	1 7
Q1762	8 7	134 1	8 2
Q1763	134 1	2 3	132 0
Q1771	1 8	8 2	1 3
Q1772	8 7	146 4	8 2
Q1773	146 4	2 3	144 1
Q1781	2 1	8 2	1 6
Q1782	8 7	133 7	8 2
Q1783	133 7	2 3	131 5
Q1790	2 2	0 2	2 5

All voltages are in V

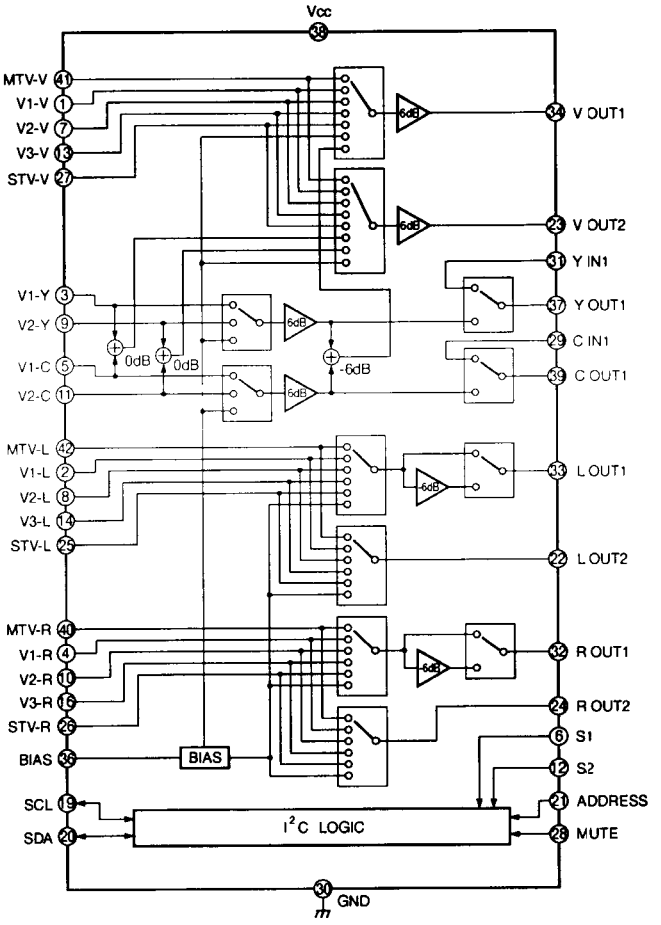

CN263 3P BLK S-MICRO
TO AV BOARD CN106
CN261 11P BTOB-S
TO SC BOARD CN104
2-DET
2-L
2-R
NEW ENA
DAT
CLK
IN-DATA
M-IN1
M-IN2
M-OUT
Q261 2SB601A BUFFER
CM301 COMB FILTER
YOUT
GND
COUT
VIN
VCC
C301 470 16V
C261 0.047
R267 680
9V
VIDEO
PIN JACK BLOCK
VIDEO3
J232 3P
J233 2P
PIN JACK BLOCK
VAR. OR FIX OUT
AUDIO L
AUDIO R
MTZJ-T-77-10B PROTECTOR
C26' MM1313AD AV-SW 7CH
V1-V
V1-L
V1-Y
V1-R
V1-C
SW1
V2-W
V2-L
V2-Y
V2-R
V2-C
SW2
V3-V
V3-L
V3-Y
V3-R
V3-C
SW3
SCLK
SDATA
ADDR
MAINL
MAINV
MAINR
COUT1
VCC
YOUT1
BIAS
TRAP1
VOUT1
LOUT1
ROUT1
Y IN
GND
C IN
MUTE
SUBV
SUBR
SUBL
TRAP2
VOUT2
LOUT2
Q263 2SB709A BUFFER
Q265 2SB709A BUFFER
Q243 2SB709A BUFFER
Q262 2SB601A BUFFER
JR262 0 CHIP
JR261 0 CHIP
MAIN L
MAIN R
AS-2K
AUX
TO CONV
VHF/UHF
MAIN
SUB
TO AV BOARD CN103
TO A BOARD
TO AV BOARD
UV
SRS
AV-SW
AV-TERMINAL
TO A BOARD CN270
CN262 20P BTOB-S
FRONT-Y
FRONT-V
FRONT-C
FRONT-S SW
FRONT-L
FRONT-R
9V
TV-V
TV-L
TV-R
CHBLK
TV-BLK
MAIN-Y
MAIN-C
P MUTE
SUB I/F BLASTER
STBY-5V
VAR-L
VAR-R
MAIN-L
MAIN-R
CONT-S STEREO
CONT-SRS
SIRCS
AUDIO 12V
SCL
SDA
B-SV6086<AA20-MAN#5>-UV
CN264 11P BTOB-S
TO A BOARD CN271

UV BOARD IC VOLTAGE LIST

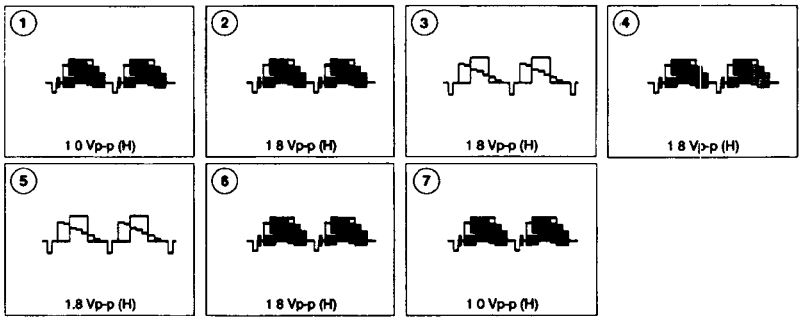
IC261	
pin	volt
1	4 8
2	4 2
3	4 8
4	4 2
5	4 8
6	4 5
7	4 8
8	4.2
9	4 8
10	4 2
11	4 9
12	5 8
13	4 8
14	4 2
15	0
16	4 2
17	5 8
18	NC
19	5 0
20	4 9
21	GND
22	NC
23	NC
24	NC
25	4 2
26	4 2
27	6 1
28	NC
29	4 8
30	GND
31	5 6
32	4 1
33	4 1
34	5 0
35	NC
36	4 2
37	4 3
38	8 7
39	3 4
40	4 2
41	5 2
42	4 2

All voltages are in V

UV BOARD IC1261 MM1313AD



UV BOARD WAVEFORMS



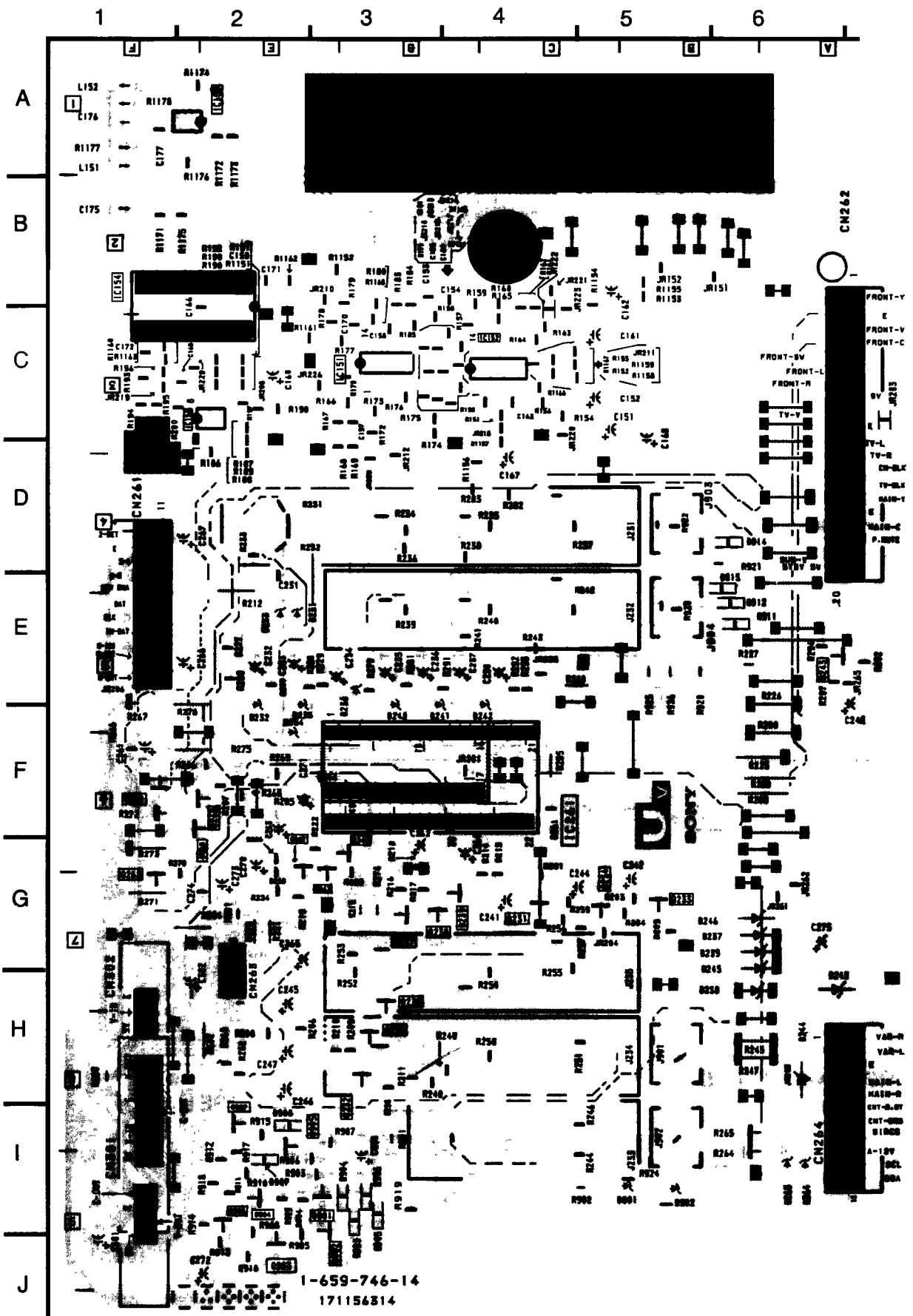
UV BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q243	0 2	GND	0 9
Q261	4 6	8 7	4 0
Q262	4 9	8.7	4 2
Q263	3 4	GND	4 1
Q265	4 3	GND	4 9

All voltages are in V

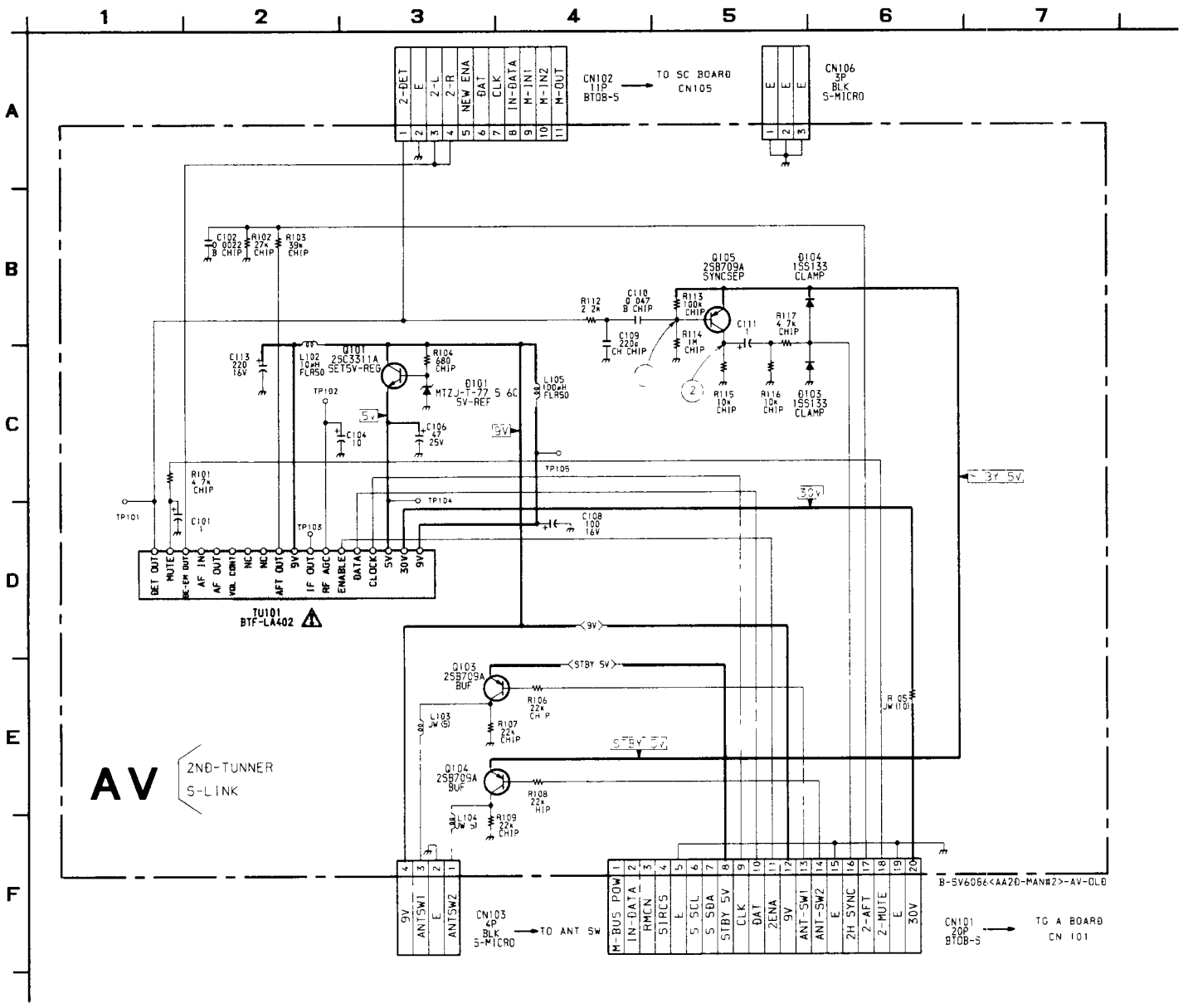
UV [SRS, AV-SW, AV-TERMINAL]
(KV-27S36 ONLY)

— UV BOARD —

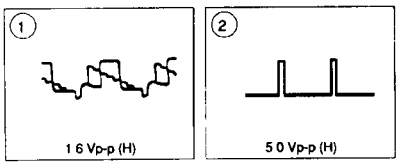


UV BOARD LOCATOR LIST

DIODE	
D231	E-2
D232	E-2
D233	E-2
D234	F-2
D235	E-2
D236	E-3
D240	E-3
D241	E-3
D242	E-4
D243	G-6
D244	H-6
D246	G-6
D264	I-6
D265	I-6
IC	
IC261	F-4
TRANSISTOR	
Q243	E-6
Q261	F-1
Q262	G-1
Q263	F-2
Q265	F-2



AV BOARD WAVEFORMS



AV BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q101	5.8	8.7	5.1
Q103	4.3	4.9	5.0
Q104	5.0	0	5.0
Q105	5.0	0.8	5.0

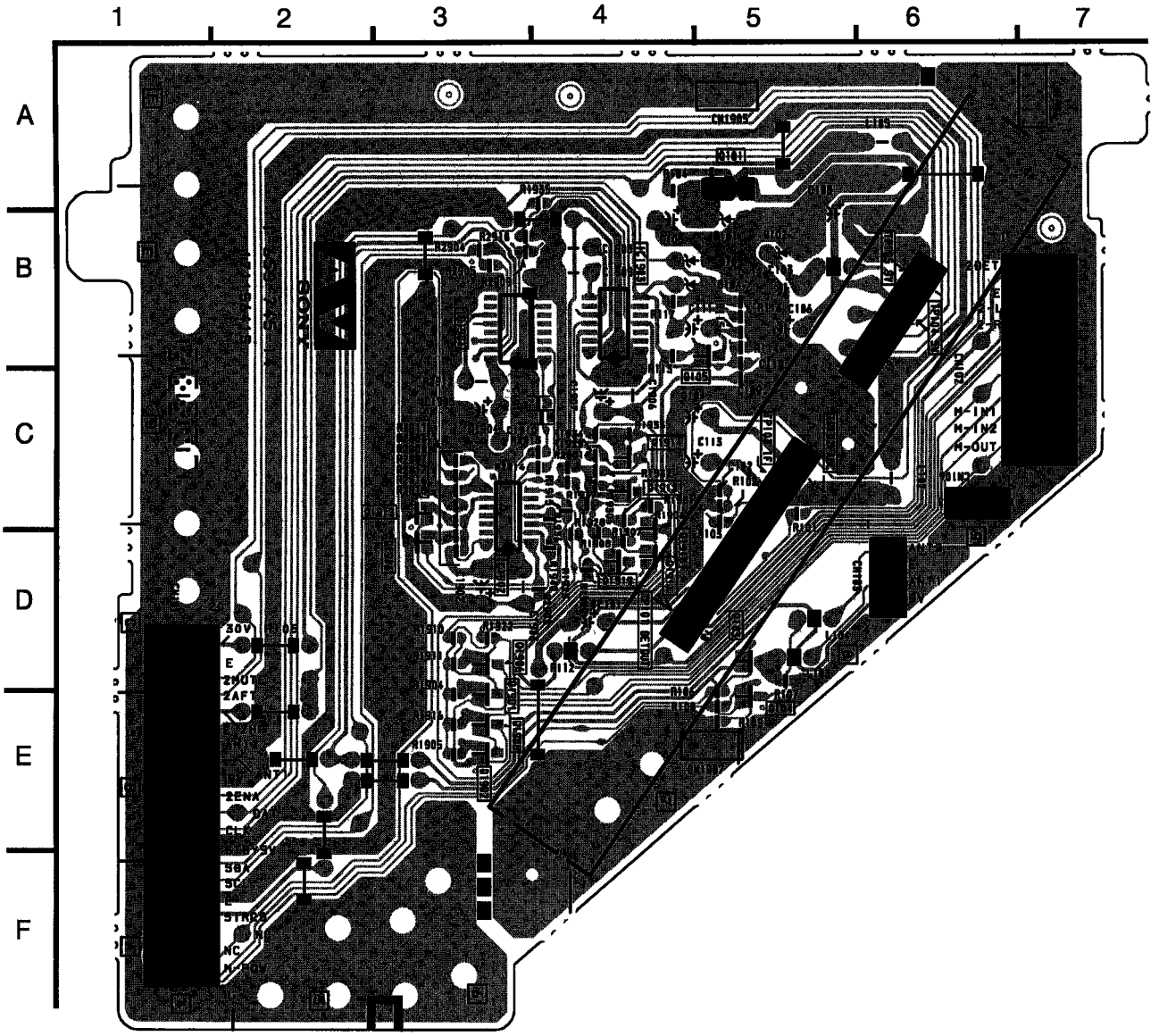
All voltages are in V

Schematic diagrams

← UV board AV board →

AV [2ND-TUNER, S-LINK]
(KV-27S36 ONLY)

— AV BOARD —

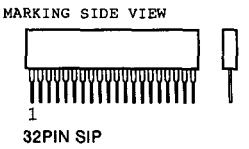


AV BOARD LOCATION

DIODE	
D101	B-5
D103	B-4
D104	B-4
TRANSISTOR	
Q101	A-5
Q103	D-5
Q104	D-5
Q105	B-4

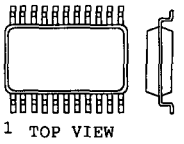
4-4. SEMICONDUCTORS

BH3856FS-E2



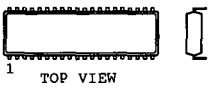
32PIN SIP

CXA1315M



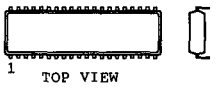
16PIN SOP

CXA2025AS



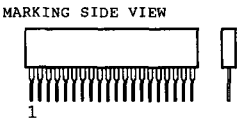
48PIN DIP

CXP85840-002S



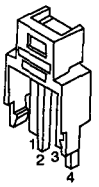
64PIN DIP

DM-58

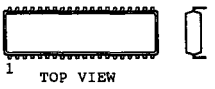


4PIN SIP

IS474

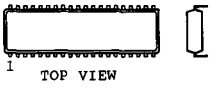


MM1311AD



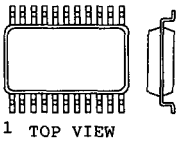
32PIN DIP

MM1313AD



42PIN DIP

TDA8315T/N3A-T



24PIN SOS

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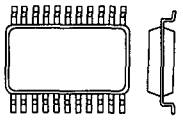
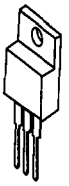
ST24CO2FM6TR
UPC4558G2

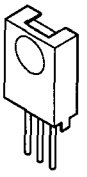


8PIN SOP

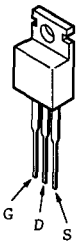
NJM78M05FA
TA7805S



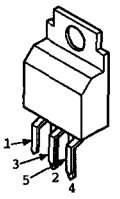
SBX1981-51



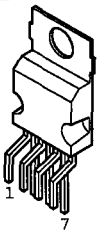
IRF614



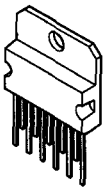
SI3090CA



TDA8172



TDA2009A



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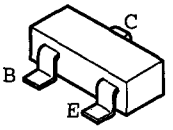
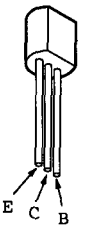
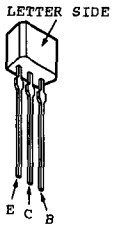
2SA1162-G
2SA1130-06
2SD601A-Q



2SA1091-0



2SA1175-HFE
2SC2785-HFE



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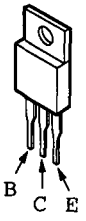
2SC4159-E



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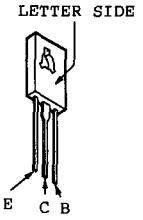
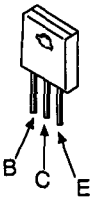
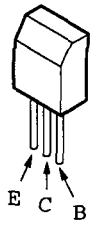


2SC4834M

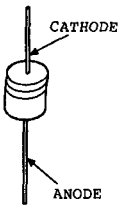


2SC3209LK



D10SC4M

D1NS4
MTZJ-3 3
MTZJ-33A
MTZJ-6 2B
MTZJ-7 5B
RD10ESB2
RD39ES-B2
RD5 6ESB2
1SS19-25



D2L2OU
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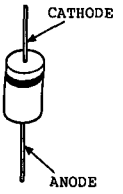
EZ0150AV1
GP08D
MTZJ-T-77-3 9
RGP02-17EL-6433



D4SB60L
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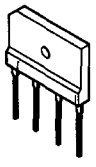
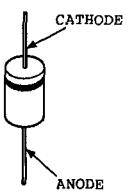
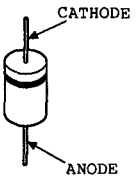


ERC06-15S
ISSI33T-77



ERD29-08J



FMGAT148
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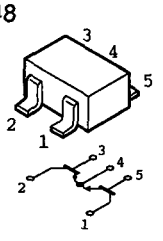


SECTION 5
EXPLODED VIEW

• Items with no part number and no description are not stocked because they are seldom required for routine service
• The component parts of an assembly are indicated by the reference numbers in the remarks column

• Items marked " * " are not stocked since they are seldom required for routine service Some delay should be anticipated when ordering these items

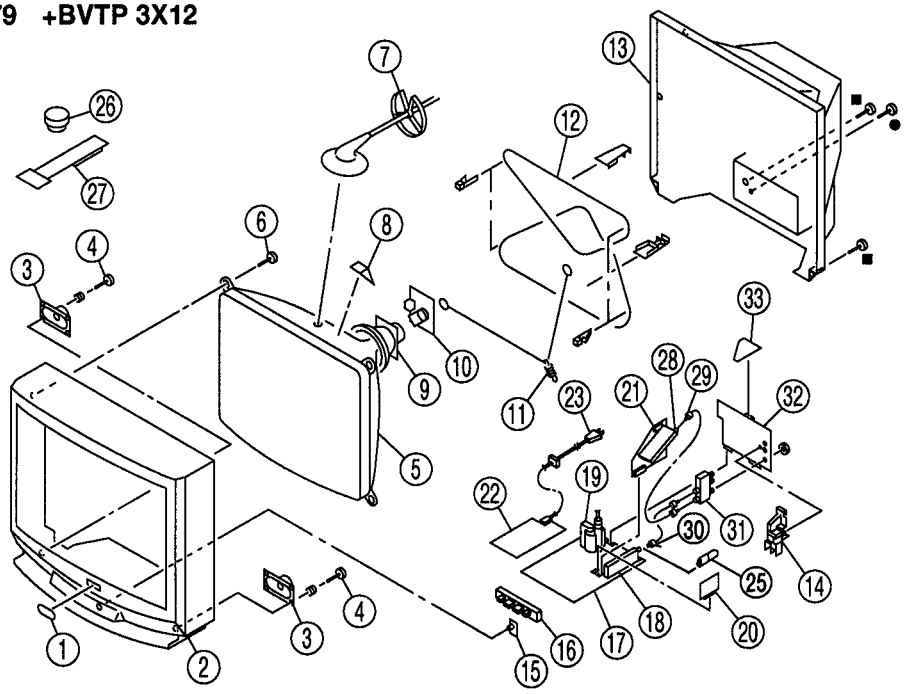
Note·

The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified.

Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

5-1. CHASSIS

■ **7-685-663-79 SCREW +BVTP 4X16**
● **7-685-648-79 +BVTP 3X12**



REF NO.		PART NO.	DESCRIPTION	REMARK
1		4-046-160-01	EMBLEM (NO 9), SONY	
2		4-059-086-01	BEZNET (KV-27S22/29RS22/29RS22C)	
2		4-059-447-01	BEZNET (KV-27S26/29RS26/29RS26C)	
2		4-059-447-11	BEZNET (KV-29SD2/29PS2)	
2		4-059-447-21	BEZNET (KV-27S36)	
3		1-504-531-11	SPEAKER (13.1X6.2CM)	
4		4-388-477-01	SCREW (3X16), TAPPING, +BV WASHER	
5	⚠	8-733-848-05	CRT 29PXD (A68KZJ50X)	(EXCEPT KV-29RS22C/29RS26C)
5	⚠	8-733-849-05	CRT 29PXD (A68KZJ50X)	(KV-29RS22C/29RS26C)
6		4-041-268-01	SCREW (7), TAPPING	
7		3-704-372-31	HOLDER, HV CABLE	
8		4-053-005-01	SPACER, DY	
9	⚠	8-451-275-42	DEFLECTION YOKE Y28PFA	
10	*	A-1331-549-A	C BOARD, COMPLETE	
11		4-036-329-01	SPRING (B), TENSION	
12	⚠	1-406-726-81	COIL, DEMAGNETIC (KV-29RS22C/29RS26C)	
12	⚠	1-411-899-11	COIL, DEMAGNETIC	(EXCEPT KV-29RS22C/29RS26C)
13		4-054-519-01	COVER, REAR (KV-27S36)	
13		4-052-462-01	COVER, REAR (KV-27S26/29RS26/29RS26C)	
13		4-052-462-21	COVER, REAR	(27S22/29RS22/29RS22C/29SD2/29PS2)
14	*	4-052-905-01	V5/6 BRACKET (KV-27S36)	
15		4-052-461-01	GUIDE, LED	
16		4-052-460-01	BUTTON, MULTI	

REF.NO.		PART NO.	DESCRIPTION	REMARK
17	*	A-1298-061-A	A BOARD, COMPLETE	(KV-27S22/29RS22/29RS22C/29SD2/29PS2)
17	*	A-1298-162-A	A BOARD, COMPLETE (27S26/29RS26/29RS26C)	
17	*	A-1298-163-A	A BOARD, COMPLETE (27S36)	
18	⚠	8-598-340-00	TUNER BTF-WA405	
19	⚠	1-453-207-11	TRANSFORMER ASSY, FLYBACK NX-2609//X4C	
20	*	A-1195-103-A	P BOARD, COMPLETE (KV-27S26/27S36/29RS26/29RS26C)	
21	*	A-1297-905-A	AV BOARD, COMPLETE (KV-27S36)	
22	*	A-1316-249-A	G BOARD, COMPLETE (KV-27S22/27S26)	
22	*	A-1316-252-A	G BOARD, COMPLETE (KV-29RS22C/29RS26C)	
22	*	A-1316-261-A	G BOARD, COMPLETE (KV-27S36)	
22	*	A-1316-296-A	G BOARD, COMPLETE (KV-29RS22/29RS26/29SD2/29PS2)	
23	⚠	1-751-059-11	CORD, POWER (WITH CONNECTOR) 10A/250V	(EXCEPT KV-29RS22C/29RS26C)
23	⚠	1-769-796-41	CORD, POWER (WITH CONNECTOR) 10A/125V	(KV-29RS22C/29RS26C)
25		1-766-374-11	PLUG, F-PIN (EXCEPT KV-27S36)	
26		1-452-032-00	MAGNET, DISC	
27		X-4306-312-0	PERMALLOY CONVERGENCE	
28	⚠	8-598-339-00	TUNER BTF-LA402 (KV-27S36)	
29	*	1-557-056-31	CABLE, P-P (KV-27S36)	
30	*	1-556-945-21	CABLE, P-P (KV-27S36)	
31		8-598-414-00	CHANGER, ANTENNA AS-2K (KV-27S36)	
32	*	A-1394-863-A	UV BOARD, COMPLETE (KV-27S36)	
33	*	A-1390-585-A	SC BOARD, COMPLETE (KV-27S36)	

SECTION 6
ELECTRICAL PARTS LIST

P

Note

The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified

Note

Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation Should replacement be required, replace only with the value originally used

- Items marked "*" are not stocked since they are seldom required for routine service Some delay should be anticipated when ordering these items
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted

RESISTORS
- All resistors are in ohms
- F nonflammable

CAPACITORS
- MF = μF

INDUCTORS
UH = μH
MMH = mH

When indicating parts by reference number, please include the board name

REF.NO	PART NO.	DESCRIPTION			REMARK
P					
*	A-1195-103-A	P BOARD, COMPLETE (KV-27S26/27S36/29RS26/29RS26C ONLY)			
		CAPACITOR			
C3301	1-163-017-00	CERAMIC CHIP	0 0047MF	10%	50V
C3302	1-164-346-11	CERAMIC CHIP	1MF		16V
C3303	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3304	1-126-960-11	ELECT	1MF	20%	50V
C3305	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3306	1-126-967-11	ELECT	47MF	20%	16V
C3307	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3308	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C3309	1-163-017-00	CERAMIC CHIP	0 0047MF	10%	50V
C3310	1-164-004-11	CERAMIC CHIP	0 1MF	10%	25V
C3313	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3314	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3315	1-164-346-11	CERAMIC CHIP	1MF		16V
C3319	1-163-031-11	CERAMIC CHIP	0 01MF		50V
C3320	1-126-960-11	ELECT	1MF	20%	50V
C3321	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C3322	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C3323	1-163-031-11	CERAMIC CHIP	0 01MF		50V
C3324	1-126-967-11	ELECT	47MF	20%	16V
C3325	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3326	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3327	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3328	1-126-967-11	ELECT	47MF	20%	16V
C3329	1-126-967-11	ELECT	47MF	20%	16V
C3330	1-163-031-11	CERAMIC CHIP	0 01MF		50V
C3331	1-126-967-11	ELECT	47MF	20%	16V
C3332	1-104-664-11	ELECT	47MF	20%	25V
C3333	1-164-695-11	CERAMIC CHIP	0 0022MF	5%	50V
C3334	1-163-031-11	CERAMIC CHIP	0 01MF		50V
C3335	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3336	1-163-038-91	CERAMIC CHIP	0 1MF		25V
C3337	1-164-005-11	CERAMIC CHIP	0 47MF		25V
C3338	1-163-141-00	CERAMIC CHIP	0 001MF	5%	50V
C3340	1-163-031-11	CERAMIC CHIP	0 01MF		50V
C3346	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3347	1-126-960-11	ELECT	1MF	20%	50V
C3348	1-126-967-11	ELECT	47MF	20%	16V
C3349	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C3350	1-164-004-11	CERAMIC CHIP	0 1MF	10%	25V
C3351	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		CONNECTOR			
CN3301*	1-764-816-11	CONNECTOR, BOARD TO BOARD 20P			
		IC			
IC3301	8-759-366-24	IC TDA8315T/N3A-T			
IC3302	8-759-231-53	IC TA7805S			
IC3303	8-759-438-61	IC SDA9288X-A141			
		COIL			
L3301	1-408-413-00	INDUCTOR	22UH		
L3302	1-410-473-11	INDUCTOR	18UH		
L3303	1-408-418-00	INDUCTOR	56UH		
		TRANSISTOR			
Q3301	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q3305	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3306	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3307	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3308	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q3310	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q3312	8-729-216-22	TRANSISTOR 2SA1162-G			
Q3313	8-729-422-27	TRANSISTOR 2SD601A-Q			
		RESISTOR			
R3301	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R3302	1-216-043-91	METAL GLAZE	560	5%	1/10W
R3303	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R3304	1-216-043-91	METAL GLAZE	560	5%	1/10W
R3306	1-215-882-00	METAL OXIDE	22	5%	2W F
R3307	1-216-097-91	METAL GLAZE	100K	5%	1/10W

P AV

Note

The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified

Note

Les composants identifies par un trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

REF.NO.	PART NO	DESCRIPTION			REMARK
R3308	1-216-051-00	METAL GLAZE	1 2K	5%	1/10W
R3309	1-216-051-00	METAL GLAZE	1 2K	5%	1/10W
R3310	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R3311	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R3312	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3313	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3314	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3315	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3316	1-216-053-00	METAL GLAZE	1 5K	5%	1/10W
R3319	1-216-053-00	METAL GLAZE	1 5K	5%	1/10W
R3321	1-216-053-00	METAL GLAZE	1 5K	5%	1/10W
R3322	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R3323	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R3324	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R3326	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3327	1-216-031-00	METAL GLAZE	180	5%	1/10W
R3328	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3329	1-216-069-00	METAL GLAZE	6 8K	5%	1/10W
R3330	1-216-035-00	METAL GLAZE	270	5%	1/10W
R3331	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R3332	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3337	1-216-033-00	METAL GLAZE	220	5%	1/10W
R3338	1-216-033-00	METAL GLAZE	220	5%	1/10W
R3339	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3340	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3341	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W
R3342	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W
R3343	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3346	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3351	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R3352	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3358	1-216-047-91	METAL GLAZE	820	5%	1/10W
R3359	1-216-047-91	METAL GLAZE	820	5%	1/10W
R3360	1-216-053-00	METAL GLAZE	1 5K	5%	1/10W
R3361	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3362	1-216-029-00	METAL GLAZE	150	5%	1/10W
R3363	1-216-031-00	METAL GLAZE	180	5%	1/10W
R3364	1-216-035-00	METAL GLAZE	270	5%	1/10W
R3365	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R3366	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R3367	1-216-095-00	METAL GLAZE	82K	5%	1/10W
R3368	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R3369	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R3370	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3371	1-216-095-00	METAL GLAZE	82K	5%	1/10W
R3372	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3373	1-216-035-00	METAL GLAZE	270	5%	1/10W

REF NO	PART NO	DESCRIPTION	REMARK
		CRYSTAL	
X3301	1-567-505-11	OSCILLATOR, CRYSTAL	
X3302	1-760-095-21	VIBRATOR, CRYSTAL	

AV

* A-1297-905-A AV BOARD, COMPLETE (KV-27S36 ONLY)

CAPACITOR

C101	1-126-960-11	ELECT	1MF	20%	50V
C102	1-164-161-11	CERAMIC CHIP	0 0022MF	10%	50V
C104	1-126-964-11	ELECT	10MF	20%	50V
C106	1-104-664-11	ELECT	47MF	20%	25V
C108	1-126-933-11	ELECT	100MF	20%	16V
C109	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C110	1-104-760-11	CERAMIC CHIP	0 047MF	10%	50V
C111	1-126-960-11	ELECT	1MF	20%	50V
C113	1-126-934-11	ELECT	220MF	20%	16V

CONNECTOR

CN101	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P
CN102	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P
CN103 *	1-564-507-11	PLUG, CONNECTOR 4P
CN106 *	1-564-506-11	PLUG, CONNECTOR 3P

DIODE

D101	8-719-109-89	DIODE RD5 6ESB2
D103	8-719-991-33	DIODE 1SS133T-77
D104	8-719-991-33	DIODE 1SS133T-77

COIL

L102	1-410-470-11	INDUCTOR	10UH
L105	1-408-421-00	INDUCTOR	100UH

TRANSISTOR

Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q103	8-729-216-22	TRANSISTOR 2SA1162-G
Q104	8-729-216-22	TRANSISTOR 2SA1162-G
Q105	8-729-216-22	TRANSISTOR 2SA1162-G

RESISTOR

R101	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R102	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R103	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R104	1-216-045-00	METAL GLAZE	680	5%	1/10W
R106	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R107	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R108	1-216-081-00	METAL GLAZE	22K	5%	1/10W

Note: The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

AV A

REF.NO.	PART NO.	DESCRIPTION			REMARK
R109	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R112	1-249-421-11	CARBON	2 2K	5%	1/4W
R113	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R114	1-216-121-91	METAL GLAZE	1M	5%	1/10W
R115	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R116	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R117	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W

TUNER

TU101 ⚠ 8-598-339-00 TUNER, FSS BTF-LA402

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* **A-1298-061-A A BOARD, COMPLETE (KV-27S22/29PS2/29SD2/29RS22/29RS22C)**

* **A-1298-162-A A BOARD, COMPLETE (KV-27S26/29RS26/29RS26C)**

* **A-1298-163-A A BOARD, COMPLETE (KV-27S36)**

* 4-051-927-01 CASE, SHIELD
4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C001	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C003	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V
C005	1-126-960-11	ELECT	1MF	20%	50V
C009	1-126-967-11	ELECT	47MF	20%	50V
C010	1-163-033-91	CERAMIC CHIP	0 022MF		50V
C012	1-216-033-00	METAL GLAZE	220	5%	1/10W
C013	1-216-121-91	METAL GLAZE	1M	5%	1/10W
C014	1-164-161-11	CERAMIC CHIP	0 0022MF	10%	50V
C023	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C028	1-163-227-11	CERAMIC CHIP	10PF	0 5PF	50V
C029	1-163-227-11	CERAMIC CHIP	10PF	0 5PF	50V
C035	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C036	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C037	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C038	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C039	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C040	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C051	1-164-161-11	CERAMIC CHIP	0 0022MF	10%	50V
C053	1-164-232-11	CERAMIC CHIP	0 01MF	10%	50V
C056	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C061	1-163-033-91	CERAMIC CHIP	0 022MF		50V
C062	1-163-033-91	CERAMIC CHIP	0.022MF		50V
C063	1-126-935-11	ELECT	470MF	20%	16V
C068	1-164-096-11	CERAMIC	0 01MF		50V
C071	1-164-096-11	CERAMIC	0.01MF		50V
C072	1-164-161-11	CERAMIC CHIP	0 0022MF	10%	50V
C075	1-107-823-11	CERAMIC CHIP	0 47MF	10%	16V
C353	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C354	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C355	1-126-959-11	ELECT	0 47MF	20%	50V
C356	1-126-963-11	ELECT	4 7MF	20%	50V
C357	1-126-959-11	ELECT	0 47MF	20%	50V
C358	1-164-232-11	CERAMIC CHIP	0 01MF	10%	50V
C359	1-126-933-11	ELECT	100MF	20%	16V
C363	1-164-232-11	CERAMIC CHIP	0 01MF	10%	50V
C364	1-164-232-11	CERAMIC CHIP	0 01MF	10%	50V
C365	1-164-232-11	CERAMIC CHIP	0 01MF	10%	50V
C366	1-137-399-11	FILM	0 1MF	5%	50V
C367	1-137-399-11	FILM	0 1MF	5%	50V
C368	1-137-399-11	FILM	0.1MF	5%	50V
C369	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C370	1-163-037-11	CERAMIC CHIP	0 022MF	10%	50V
C371	1-163-141-00	CERAMIC CHIP	0 001MF	5%	50V
C372	1-126-959-11	ELECT	0 47MF	20%	50V
C373	1-126-960-11	ELECT	1MF	20%	50V
C375	1-165-319-11	CERAMIC CHIP	0 1MF (KV-27S22/29RS22/29RS22C/29SD2/29PS2)		50V
C376	1-126-964-11	ELECT	10MF	20%	50V
C377	1-137-399-11	FILM	0.1MF	5%	50V
C378	1-136-244-11	FILM	0.1MF	5%	50V
C379	1-164-232-11	CERAMIC CHIP	0 01MF	10%	50V
C380	1-126-935-11	ELECT	470MF	20%	16V
C381	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C383	1-137-399-11	FILM	0.1MF	5%	50V
C385	1-164-182-11	CERAMIC CHIP	0 0033MF	10%	50V
C386	1-164-232-11	CERAMIC CHIP	0 01MF	10%	50V
C387	1-126-961-11	ELECT	2 2MF	20%	50V
C388	1-126-959-11	ELECT	0 47MF	20%	50V
C390	1-126-960-11	ELECT	1MF	20%	50V
C391	1-163-017-00	CERAMIC CHIP	0 0047MF	10%	50V
C392	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C461	1-126-933-11	ELECT	100MF	20%	16V
C462	1-126-961-11	ELECT	2 2MF	20%	50V
C463	1-126-961-11	ELECT	2 2MF	20%	50V
C466	1-104-666-11	ELECT	220MF	20%	25V
C468	1-104-664-11	ELECT	47MF	20%	25V
C470	1-126-961-11	ELECT	2 2MF	20%	50V
C471	1-104-666-11	ELECT	220MF	20%	25V
C472	1-136-173-00	FILM	0 47MF	5%	50V
C473	1-136-169-00	FILM	0 22MF	5%	50V
C474	1-126-942-61	ELECT	1000MF	20%	25V
C475	1-136-169-00	FILM	0 22MF	5%	50V
C476	1-126-942-61	ELECT	1000MF	20%	25V
C477	1-126-942-61	ELECT	1000MF	20%	25V

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Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified

Note: Les composants identifies par un trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

REF.NO.	PART NO.	DESCRIPTION			REMARK
C501	1-102-110-00	CERAMIC	220PF	10%	50V
C502	1-126-959-11	ELECT	0 47MF	20%	50V
C503	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C504	1-102-212-00	CERAMIC	820PF	10%	500V
C505	1-102-002-00	CERAMIC	680PF	10%	500V
C506	1-106-383-00	MYLAR	0 047MF	10%	200V
⚠ C507	1-162-116-00	CERAMIC	680PF	10%	2KV
C508	1-102-244-00	CERAMIC	220PF	10%	500V
C509	1-162-116-00	CERAMIC	680PF	10%	2KV
C510	1-137-150-11	MYLAR	0 01MF	10%	100V
⚠ C511	1-115-460-11	FILM	0.022MF	3%	1.2KV
⚠ C513	1-130-895-00	FILM	0.056MF	5%	400V
⚠ C514	1-104-844-11	FILM	0.62MF	5%	200V
C515	1-106-343-00	MYLAR	0.001MF	10%	100V
C516	1-115-461-11	FILM	2MF	5%	200V
C517	1-107-649-11	ELECT	2 2MF	20%	250V
C518	1-106-395-00	MYLAR	0 15MF	10%	200V
C519	1-162-815-11	CERAMIC	47PF	5%	500V
C520	1-164-646-11	CERAMIC	2200PF	10%	500V
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C522	1-126-960-11	ELECT	1MF	20%	50V
C525	1-102-244-00	CERAMIC	220PF	10%	500V
C526	1-107-662-11	ELECT	22MF	20%	250V
C527	1-162-116-00	CERAMIC	680PF	10%	2KV
C528	1-164-161-11	CERAMIC CHIP	0 0022MF	10%	50V
C529	1-128-551-11	ELECT	22MF	20%	25V
C530	1-137-366-11	FILM	0 0022MF	5%	50V
C531	1-126-965-11	ELECT	22MF	20%	50V
C532	1-126-965-11	ELECT	22MF	20%	50V
C537	1-126-941-11	ELECT	470MF	20%	25V
⚠ C539	1-126-935-11	ELECT	470MF	20%	16V
C540	1-123-024-21	ELECT	33MF		160V
C541	1-128-560-11	ELECT	22MF	20%	100V
C545	1-106-387-00	MYLAR	0.068MF	10%	200V
C546	1-106-343-00	MYLAR	0.001MF	10%	100V
C547	1-106-343-00	MYLAR	0.001MF	10%	100V
C551	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C561	1-126-967-11	ELECT	47MF	20%	50V
C563	1-126-923-11	ELECT	220MF	20%	10V
C564	1-126-960-11	ELECT	1MF	20%	50V
C565	1-126-969-11	ELECT	220MF	20%	50V
C566	1-126-964-11	ELECT	10MF	20%	50V
C568	1-136-169-00	FILM	0.22MF	5%	50V
C571	1-104-664-11	ELECT	47MF	20%	25V
C1002	1-126-964-11	ELECT	10MF	20%	50V
C1101	1-126-768-11	ELECT	2200MF	20%	16V
C1103	1-126-965-11	ELECT	22MF	20%	50V
C1104	1-126-967-11	ELECT	47MF	20%	16V
C1105	1-126-967-11	ELECT	47MF	20%	16V
C1106	1-126-964-11	ELECT	10MF	20%	50V
C1107	1-163-037-11	CERAMIC CHIP	0 022MF	10%	50V
C1108	1-126-960-11	ELECT	1MF	20%	50V
C1109	1-126-964-11	ELECT	10MF	20%	50V
C1110	1-163-227-11	CERAMIC CHIP	10PF	0 5PF	50V
C1111	1-163-227-11	CERAMIC CHIP	10PF	0 5PF	50V
C1112	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1236	1-163-031-11	CERAMIC CHIP	0 01MF		50V (KV-27S26/29RS26/29RS26C)
C1237	1-136-161-00	FILM	0 047MF	5%	50V (KV-27S26/29RS26/29RS26C)
C1238	1-136-161-00	FILM	0 047MF	5%	50V (EXCEPT KV-27S36)
C1239	1-126-960-11	ELECT	1MF	20%	50V (EXCEPT KV-27S36)
C1240	1-126-960-11	ELECT	1MF	20%	50V (EXCEPT KV-27S36)
C1241	1-136-161-00	FILM	0 047MF	5%	50V (KV-27S26/29RS26/29RS26C)
C1242	1-126-960-11	ELECT	1MF	20%	50V (KV-27S26/29RS26/29RS26C)
C1243	1-126-960-11	ELECT	1MF	20%	50V (KV-27S26/29RS26/29RS26C)
C1244	1-126-959-11	ELECT	0 47MF	20%	50V
C1245	1-126-959-11	ELECT	0 47MF	20%	50V
C1261	1-126-967-11	ELECT	47MF	20%	16V (EXCEPT KV-27S36)
C1262	1-126-967-11	ELECT	47MF	20%	16V (EXCEPT KV-27S36)
C1263	1-126-960-11	ELECT	1MF	20%	50V (EXCEPT KV-27S36)
C1264	1-126-960-11	ELECT	1MF	20%	50V (EXCEPT KV-27S36)
C1265	1-136-165-00	FILM	0 1MF	5%	50V (EXCEPT KV-27S36)
C1266	1-126-967-11	ELECT	47MF	20%	16V (EXCEPT KV-27S36)
C1267	1-136-161-00	FILM	0.047MF	5%	50V (EXCEPT KV-27S36)
C1268	1-126-960-11	ELECT	1MF	20%	50V (EXCEPT KV-27S36)
C1269	1-126-960-11	ELECT	1MF	20%	50V (EXCEPT KV-27S36)
C1270	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V (EXCEPT KV-27S36)
C1293	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (EXCEPT KV-27S36)
C1351	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1352	1-126-933-11	ELECT	100MF	20%	16V
C1353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C1354	1-216-295-91	CONDUCTOR, CHIP	(2012)		
C1401	1-126-959-11	ELECT	0 47MF	20%	50V
C1402	1-126-964-11	ELECT	10MF	20%	50V
C1403	1-126-959-11	ELECT	0.47MF	20%	50V

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

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REF.NO.	PART NO.	DESCRIPTION			REMARK
C1404	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1405	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1406	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1407	1-165-319-11	CERAMIC CHIP	0 1MF		50V
C1408	1-164-161-11	CERAMIC CHIP	0 0022MF	10%	50V
C1409	1-164-161-11	CERAMIC CHIP	0 0022MF	10%	50V
C1410	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1411	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1412	1-126-961-11	ELECT	2.2MF	20%	50V
C1413	1-126-961-11	ELECT	2 2MF	20%	50V
C1414	1-164-489-11	CERAMIC CHIP	0 22MF	10%	16V
C1415	1-126-965-11	ELECT	22MF	20%	50V
C1416	1-126-933-11	ELECT	100MF	20%	16V
C1417	1-126-767-11	ELECT	1000MF	20%	16V
C1420	1-164-005-11	CERAMIC CHIP	0 47MF		25V

FILTER BLOCK

CM305	1-473-548-11	FILTER BLOCK, COMB (KV-27S22/29RS22/29RS22C/29SD2/S9PS2)	

CONNECTOR

CN270	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P (KV-27S36)	
CN271	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P (KV-27S36)	
CN351 *	1-564-509-11	PLUG, CONNECTOR 6P	
CN461 *	1-564-507-11	PLUG, CONNECTOR 4P	
CN501 *	1-580-798-11	CONNECTOR PIN (DY) 6P	
CN503 *	1-564-507-11	PLUG, CONNECTOR 4P	
CN1101	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P (KV-27S36)	
CN1103	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P	
CN1641*	1-564-515-11	PLUG, CONNECTOR 12P	
CN3001	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P (KV-27S26/27S36/29RS26/29RS26C)	

DIODE

D001	8-719-991-33	DIODE 1SS133T-77	
D002	8-719-109-89	DIODE RD5 6ESB2	
D003	8-719-991-33	DIODE 1SS133T-77	
D004	8-719-110-17	DIODE RD10ESB2	
D005	8-719-991-33	DIODE 1SS133T-77	
D006	1-810-039-31	LED UNIT	
D011	8-719-983-14	DIODE MTZJ-T-77-3.9	
D013	8-719-991-33	DIODE 1SS133T-77	
D014	8-719-991-33	DIODE 1SS133T-77	
D015	8-719-991-33	DIODE 1SS133T-77	
D353	8-719-991-33	DIODE 1SS133T-77	
D356	8-719-991-33	DIODE 1SS133T-77	
D360	8-719-110-17	DIODE RD10ESB2	
D362	8-719-991-33	DIODE 1SS133T-77	
D368	8-719-991-33	DIODE 1SS133T-77 (KV-27S26/27S36/29RS26/29RS26C)	
D462	8-719-991-33	DIODE 1SS133T-77	
D501	8-719-109-89	DIODE RD5 6ESB2	
D502	8-719-945-80	DIODE ERC06-15S	
D503	8-719-945-80	DIODE ERC06-15S	
D504	8-719-900-26	DIODE ERD29-08J	
D505	8-719-908-03	DIODE GP08D	
D506	8-719-908-03	DIODE GP08D	
D507	8-719-991-33	DIODE 1SS133T-77	
D515	8-719-302-43	DIODE EL1Z	
D516	8-719-991-33	DIODE 1SS133T-77	
D518	8-719-991-33	DIODE 1SS133T-77	
D519 ⚠	8-719-302-43	DIODE EL1Z	
D520	8-719-991-33	DIODE 1SS133T-77	
D521	8-719-921-63	DIODE MTZJ-7 5B	
D530	8-719-979-85	DIODE EGP20G	
D531	8-719-979-85	DIODE EGP20G	
D534	8-719-302-43	DIODE EL1Z	
D561	8-719-908-03	DIODE GP08D	
D562	8-719-991-33	DIODE 1SS133T-77	
D1102	8-719-982-24	DIODE MTZJ-33A	
D1103	8-719-109-89	DIODE RD5 6ESB2	
D1247	8-719-110-17	DIODE MTZJ-T-77-10B (EXCEPT KV-27S36)	
D1248	8-719-981-99	DIODE MTZJ-T-77-3 3	
D1261	8-719-110-17	DIODE MTZJ-T-77-10B (EXCEPT KV-27S36)	
D1262	8-719-110-17	DIODE MTZJ-T-77-10B (EXCEPT KV-27S36)	
D1263	8-719-110-17	DIODE RD10ESB2	
D1264	8-719-110-17	DIODE RD10ESB2	

FERRITE BEAD

FB501	1-410-396-41	FERRITE BEAD INDUCTOR 0 45UH	
FB502	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH	
FB503	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH	

IC

IC001	8-752-880-88	IC CXP85840-002S	
IC002	8-759-354-28	IC ST24C02FM6TR	
IC003	8-742-014-10	HYB IC SBX1981-51	
IC351	8-752-076-76	IC CXA2025AS	
IC461	8-759-980-43	IC TDA2009A	
IC501	8-759-700-07	IC NJM2903M	
IC561	8-759-980-58	IC TDA8172	
IC1001	8-752-058-68	IC CXA1315M (KV-27S26/27S36/29RS26/29RS26C)	
IC1261	8-759-366-77	IC MM1311AD (KV-27S22/29RS22/29RS22C/29SD2/29PS2)	
IC1261	8-759-366-78	IC MM1313AD (KV-27S26/29RS26/29RS26C)	
IC1401	8-759-369-39	IC BH3856FS-E2	
IC1402	8-759-100-96	IC UPC4558G2	

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Note: The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

REF.NO	PART NO.	DESCRIPTION	REMARK
	JACK		
J1232	1-774-749-11	JACK BLOCK, PIN 3P	(KV-27S22/29RS22/29RS22C/29SD2/29PS2)
J1232	1-774-751-11	TERMINAL BLOCK, S 3P	(KV-27S26/29RS26/29RS26C)
J1233	1-774-749-11	JACK BLOCK, PIN 3P	(KV-27S26/29RS26/29RS26C)
J1234	1-774-750-11	JACK BLOCK, PIN 2P	(EXCEPT KV-26S36)
	CHIP CONDUCTOR		
JR001	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR163	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR240	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR351	1-216-295-91	CONDUCTOR, CHIP (2012)	(KV-27S22/29RS22/29RS22C/29SD2/29PS2)
JR352	1-216-295-91	CONDUCTOR, CHIP (2012)	(KV-27S22/29RS22/29RS22C/29SD2/29PS2)
JR501	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR1264	1-216-295-91	CONDUCTOR, CHIP (2012)	(KV-27S22/29RS22/29RS22C/29SD2/29PS2)
JR1351	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR1352	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4101	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4108	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4110	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4114	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4116	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4120	1-216-295-91	CONDUCTOR, CHIP (2012)	
	COIL		
L001	1-408-421-00	INDUCTOR	100UH
L002	1-408-421-00	INDUCTOR	100UH
L003	1-410-470-11	INDUCTOR	10UH
L004	1-410-470-11	INDUCTOR	10UH
L352	1-412-537-31	INDUCTOR	100UH
L461	1-408-408-00	INDUCTOR	8 2UH
L501 ⚠	1-409-861-11	COIL, HORIZONTAL LINEARITY	
L502	1-412-552-11	INDUCTOR	2 2MMH
L503	1-406-677-11	COIL, CHOKE	10MMH
L511	1-406-607-11	COIL, CHOKE	15MMH
L517	1-412-552-11	INDUCTOR	2 2MMH
L1101	1-408-421-00	INDUCTOR	100UH
L1102	1-410-470-11	INDUCTOR	10UH
L1401	1-410-494-11	INDUCTOR	1MMH
	IC LINK		
PS461 ⚠	1-532-984-11	LINK, IC 2A/90V	

REF.NO.	PART NO.	DESCRIPTION	REMARK
	TRANSISTOR		
Q001	8-729-216-22	TRANSISTOR 2SA1162-G	
Q002	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q003	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q004	8-729-216-22	TRANSISTOR 2SA1162-G	
Q010	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q011	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q012	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q013	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q014	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q015	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q016	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q017	8-729-216-22	TRANSISTOR 2SA1162-G	
Q301	8-729-216-22	TRANSISTOR 2SA1162-G	
Q302	8-729-216-22	TRANSISTOR 2SA1162-G	
Q303	8-729-216-22	TRANSISTOR 2SA1162-G	
Q354	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q356	8-729-216-22	TRANSISTOR 2SA1162-G	
Q358	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q461	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q462	8-729-216-22	TRANSISTOR 2SA1162-G	
Q501	8-729-140-50	TRANSISTOR 2SC3209LK	
Q502 ⚠	8-729-016-32	TRANSISTOR 2SC4927-01	
Q511 ⚠	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q512 ⚠	8-729-809-29	TRANSISTOR 2SC4159-E	
Q551	8-729-216-22	TRANSISTOR 2SA1162-G	
Q552	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q561	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q562	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q563	8-729-105-08	TRANSISTOR 2SA1330-O6	
Q1102	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1103	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1231	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1232	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1261	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	(EXCEPT KV-27S36)
Q1262	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	(EXCEPT KV-27S36)
Q1263	8-729-422-27	TRANSISTOR 2SB709A-QRS-TX	(EXCEPT KV-27S36)
	RESISTOR		

R001	1-216-045-00	METAL GLAZE	680	5%	1/10W
R002	1-247-815-91	CARBON	220	5%	1/4W
R003	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R004	1-216-121-91	METAL GLAZE	1M	5%	1/10W
R005	1-247-815-91	CARBON	220	5%	1/4W
R006	1-247-815-91	CARBON	220	5%	1/4W (KV-27S36)
R007	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R008	1-247-815-91	CARBON	220	5%	1/4W (KV-27S36)

Note: The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

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REF.NO.	PART NO	DESCRIPTION			REMARK
R009	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R010	1-216-037-00	METAL GLAZE	330	5%	1/10W
R011	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R012	1-216-033-00	METAL GLAZE	220	5%	1/10W
			(KV-27S26/27S36/29RS26/29RS26C)		
R013	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R014	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R015	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R016	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R019	1-249-425-11	CARBON	4 7K	5%	1/4W
R020	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R023	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R025	1-163-010-11	CERAMIC CHIP	0 0012MF	10%	50V
R026	1-163-038-91	CERAMIC CHIP	0 1MF		25V
R028	1-249-417-11	CARBON	1K	5%	1/4W
R029	1-216-025-91	METAL GLAZE	100	5%	1/10W
R030	1-249-425-11	CARBON	4 7K	5%	1/4W
R031	1-247-815-91	CARBON	220	5%	1/4W
					(KV-27S36)
R032	1-247-815-91	CARBON	220	5%	1/4W
R034	1-247-815-91	CARBON	220	5%	1/4W
R035	1-247-815-91	CARBON	220	5%	1/4W
R036	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R037	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R038	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R039	1-247-807-31	CARBON	100	5%	1/4W
R040	1-247-815-91	CARBON	220	5%	1/4W
					(KV-27S36)
R041	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
					(KV-27S36)
R042	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
					(KV-27S36)
R043	1-216-049-91	METAL GLAZE	1K	5%	1/10W
					(KV-27S36)
R044	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R045	1-247-815-91	CARBON	220	5%	1/4W
					(KV-27S36)
R046	1-247-815-91	CARBON	220	5%	1/4W
R047	1-249-417-11	CARBON	1K	5%	1/4W
R048	1-249-417-11	CARBON	1K	5%	1/4W
R049	1-249-417-11	CARBON	1K	5%	1/4W
R050	1-247-815-91	CARBON	220	5%	1/4W
					(KV-27S36)
R051	1-247-815-91	CARBON	220	5%	1/4W
R052	1-216-061-00	METAL GLAZE	3 3K	5%	1/10W
R054	1-216-061-00	METAL GLAZE	3 3K	5%	1/10W
R055	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R056	1-216-033-00	METAL GLAZE	220	5%	1/10W
R057	1-249-417-11	CARBON	1K	5%	1/4W
R058	1-216-033-00	METAL GLAZE	220	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R059	1-216-047-91	METAL GLAZE	820	5%	1/10W
R060	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R061	1-216-055-00	METAL GLAZE	1 8K	5%	1/10W
R062	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R063	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R064	1-247-815-91	CARBON	220	5%	1/4W
R065	1-247-815-91	CARBON	220	5%	1/4W
R066	1-247-815-91	CARBON	220	5%	1/4W
R067	1-249-413-11	CARBON	470	5%	1/4W
R068	1-247-815-91	CARBON	220	5%	1/4W
R069	1-247-815-91	CARBON	220	5%	1/4W
R070	1-247-815-91	CARBON	220	5%	1/4W
R071	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W
R072	1-216-033-00	METAL GLAZE	220	5%	1/10W
R073	1-216-033-00	METAL GLAZE	220	5%	1/10W
R074	1-216-033-00	METAL GLAZE	220	5%	1/10W
R075	1-216-033-00	METAL GLAZE	220	5%	1/10W
R076	1-216-033-00	METAL GLAZE	220	5%	1/10W
R077	1-216-033-00	METAL GLAZE	220	5%	1/10W
R078	1-249-417-11	CARBON	1K	5%	1/4W
R079	1-216-033-00	METAL GLAZE	220	5%	1/10W
R080	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R081	1-216-025-91	METAL GLAZE	100	5%	1/10W
R082	1-216-025-91	METAL GLAZE	100	5%	1/10W
R083	1-249-429-11	CARBON	10K	5%	1/4W
R084	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R087	1-247-815-91	CARBON	220	5%	1/4W
R090	1-216-033-00	METAL GLAZE	220	5%	1/10W
					(KV-27S36)
R092	1-249-429-11	CARBON	10K	5%	1/4W
R097	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R099	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R131	1-216-035-00	METAL GLAZE	270	5%	1/10W
R132	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R133	1-216-039-00	METAL GLAZE	390	5%	1/10W
R135	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R136	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R137	1-216-033-00	METAL GLAZE	220	5%	1/10W
R311	1-216-295-01	CONDUCTOR CHIP (2012)			(EXCEPT KV-27S36)
R312	1-216-049-91	METAL GLAZE	1K	5%	1/10W
					(EXCEPT KV-27S36)
R313	1-216-295-91	CONDUCTOR CHIP (2012)			(EXCEPT KV-27S36)
R314	1-216-049-91	METAL GLAZE	1K	5%	1/10W
					(EXCEPT KV-27S36)
R353	1-208-786-11	METAL GLAZE	1 5K	0 50%	1/10W
R354	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R355	1-216-033-00	METAL GLAZE	220	5%	1/10W
R356	1-216-033-00	METAL GLAZE	220	5%	1/10W
R358	1-247-815-91	CARBON	220	5%	1/4W
			(KV-27S26/27S36/29RS26/29RS26C)		

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Note: The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used

Note: **The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified**

REF.NO.	PART NO.	DESCRIPTION			REMARK
R359	1-247-815-91	CARBON	220	5%	1/4W
			(KV-27S26/27S36/29RS26/29RS26C)		
R360	1-247-815-91	CARBON	220	5%	1/4W
			(KV-27S26/27S36/29RS26/29RS26C)		
R361	1-216-025-91	METAL GLAZE	100	5%	1/10W
R362	1-216-025-91	METAL GLAZE	100	5%	1/10W
R363	1-216-025-91	METAL GLAZE	100	5%	1/10W
R364	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R365	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R366	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R367	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R368	1-249-441-11	CARBON	100K	5%	1/4W
R369	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R372	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R373	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R374	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W
R375	1-216-025-91	METAL GLAZE	100	5%	1/10W
R376	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R379	1-216-033-00	METAL GLAZE	220	5%	1/10W
R380	1-247-815-91	CARBON	220	5%	1/4W
R381	1-247-815-91	CARBON	220	5%	1/4W
R382	1-216-033-00	METAL GLAZE	220	5%	1/10W
R383	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R384	1-216-109-00	METAL GLAZE	330K	5%	1/10W
R385	1-249-422-11	CARBON	2.7K	5%	1/4W
R386	1-216-049-91	METAL GLAZE	1K	5%	1/10W
			(KV-27S26/27S36/29RS26/29RS26C)		
R387	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R388	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R389	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R390	1-216-035-00	METAL GLAZE	270	5%	1/10W
R391	1-208-810-11	METAL GLAZE	15K	0.50%	1/10W
R392	1-216-025-91	METAL GLAZE	100	5%	1/10W
R393	1-216-043-91	METAL GLAZE	560	5%	1/10W
R394	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R395	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R397	1-249-425-11	CARBON	4.7K	5%	1/4W
R461	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R462	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R463	1-249-435-11	CARBON	33K	5%	1/4W
R464	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R465	1-249-413-11	CARBON	470	5%	1/4W
R466	1-249-388-11	CARBON	3.9	5%	1/4W F
R467	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R469	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R471	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R472	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R473	1-249-398-11	CARBON	27	5%	1/4W
R475	1-249-430-11	CARBON	12K	5%	1/4W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R476	1-249-430-11	CARBON	12K	5%	1/4W
R477	1-249-398-11	CARBON	27	5%	1/4W
R478	1-249-418-11	CARBON	1.2K	5%	1/4W F
R479	1-249-418-11	CARBON	1.2K	5%	1/4W F
R480	1-249-385-11	CARBON	2.2	5%	1/4W F
R481	1-249-385-11	CARBON	2.2	5%	1/4W F
R482	1-249-421-11	CARBON	2.2K	5%	1/4W
R483	1-249-421-11	CARBON	2.2K	5%	1/4W
R501	1-216-037-00	METAL GLAZE	330	5%	1/10W
R502	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R503	1-249-426-11	CARBON	5.6K	5%	1/4W F
R504 ⚠	1-215-918-00	METAL OXIDE	1.5K	5%	3W F
R505	1-249-431-11	CARBON	15K	5%	1/4W
R506	1-215-861-00	METAL OXIDE	47	5%	1W F
R507	1-249-401-11	CARBON	47	5%	1/4W
R508	1-249-427-11	CARBON	6.8K	5%	1/4W
R509	1-247-750-11	CARBON	680	5%	1/2W F
R510 ⚠	1-215-860-11	METAL OXIDE	33	5%	1W F
R511 ⚠	1-216-449-11	METAL OXIDE	56	5%	2W F
R512 ⚠	1-216-450-00	METAL OXIDE	82	5%	2W F
R513	1-216-347-11	METAL OXIDE	0.68	5%	1W F
R515	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R516	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R517	1-249-415-11	CARBON	680	5%	1/4W
R518	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R519	1-249-411-11	CARBON	330	5%	1/4W
R523	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R524	1-249-429-11	CARBON	10K	5%	1/4W
R525	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R526	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R529	1-208-814-11	METAL GLAZE	22K	0.50%	1/10W
⊠ R530 ⚠		METAL GLAZE			1/10W
⊠ R531 ⚠		METAL GLAZE			1/10W
R532	1-208-760-11	METAL GLAZE	120	0.50%	1/10W
R533 ⚠	1-215-902-11	METAL OXIDE	47K	5%	1W F
R535	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R536 ⚠	1-260-288-11	CARBON	0.47	5%	1/2W
R537 ⚠	1-260-288-11	CARBON	0.47	5%	1/2W
R538	1-247-887-00	CARBON	220K	5%	1/4W
R543	1-249-377-11	CARBON	0.47	5%	1/4W F
R546	1-215-456-00	METAL	30K	1%	1/4W
R547	1-215-457-00	METAL	33K	1%	1/4W
R549	1-215-437-00	METAL	4.7K	1%	1/4W
R550 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F
R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W F
R552	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R553 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F
R554	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R561	1-216-073-00	METAL GLAZE	10K	5%	1/10W

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REF.NO.	PART NO	DESCRIPTION			REMARK
R563 ⚠	1-216-351-00	METAL OXIDE	1.5	5%	1W F
R564	1-249-392-11	CARBON	8 2	5%	1/4W
R565 ⚠	1-215-890-11	METAL OXIDE	470	5%	2W F
R566	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R567 ⚠	1-249-385-11	CARBON	2.2	5%	1/4W F
R568	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R569	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R570	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R571	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R572	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R573	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R574 ⚠	1-216-365-00	METAL OXIDE	0.47	5%	2W F
R575	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R576	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R577	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R578	1-208-784-11	METAL GLAZE	1 2K	0 50%	1/10W
R579	1-208-842-11	METAL GLAZE	330K	0 50%	1/10W
R580	1-249-441-11	CARBON	100K	5%	1/4W
R1001	1-247-807-31	CARBON	100	5%	1/4W (KV-27S26/27S36/29RS26/29RS26C)
R1002	1-247-807-31	CARBON	100	5%	1/4W (KV-27S26/27S36/29RS26/29RS26C)
R1005	1-216-073-00	METAL GLAZE	10K	5%	1/10W (KV-27S26/27S36/29RS26/29RS26C)
R1009	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1010	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1101	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1102	1-215-900-11	METAL OXIDE	22K	5%	2W F
R1103	1-216-051-00	METAL GLAZE	1 2K	5%	1/10W
R1104	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R1105	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R1106	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1107	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R1108	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1109	1-216-019-00	METAL GLAZE	56	5%	1/10W
R1110	1-216-019-00	METAL GLAZE	56	5%	1/10W
R1111	1-216-019-00	METAL GLAZE	56	5%	1/10W
R1115	1-216-045-00	METAL GLAZE	680	5%	1/10W
R1117	1-249-425-11	CARBON	4 7K	5%	1/4W
R1118	1-249-425-11	CARBON	4 7K	5%	1/4W
R1120	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W
R1121	1-216-035-00	METAL GLAZE	270	5%	1/10W
R1122	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R1123	1-216-039-00	METAL GLAZE	390	5%	1/10W
R1125	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W
R1126	1-216-035-00	METAL GLAZE	270	5%	1/10W
R1127	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R1128	1-216-039-00	METAL GLAZE	390	5%	1/10W
R1130	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R1234	1-249-441-11	CARBON	100K	5%	1/4W (EXCEPT KV-27S36)
R1240	1-216-022-00	METAL GLAZE	75	5%	1/10W (KV-27S26/27S36/29RS26/29RS26C)
R1241	1-216-022-00	METAL GLAZE	75	5%	1/10W (KV-27S26/27S36/29RS26/29RS26C)
R1242	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W (KV-27S26/27S36/29RS26/29RS26C)
R1243	1-249-441-11	CARBON	100K	5%	1/4W (EXCEPT KV-27S36)
R1244	1-216-022-00	METAL GLAZE	75	5%	1/10W (EXCEPT KV-27S36)
R1245	1-216-113-00	METAL GLAZE	470K	5%	1/10W (EXCEPT KV-27S36)
R1246	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W (EXCEPT KV-27S36)
R1247	1-216-113-00	METAL GLAZE	470K	5%	1/10W (EXCEPT KV-27S36)
R1248	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W (EXCEPT KV-27S36)
R1249	1-216-022-00	METAL GLAZE	75	5%	1/10W (EXCEPT KV-27S36)
R1250	1-216-113-00	METAL GLAZE	470K	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1251	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1252	1-216-113-00	METAL GLAZE	470K	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1253	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1254	1-216-113-00	METAL GLAZE	470K	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1255	1-216-049-91	METAL GLAZE	1K	5%	1/10W (EXCEPT KV-27S36)
R1255	1-216-295-91	CONDUCTOR, CHIP	(2012)		(KV-27S36)
R1256	1-216-113-00	METAL GLAZE	470K	5%	1/10W (EXCEPT KV-27S36)
R1257	1-216-049-91	METAL GLAZE	1K	5%	1/10W (EXCEPT KV-27S36)
R1258	1-216-061-00	METAL GLAZE	3 3K	5%	1/10W
R1259	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1260	1-216-061-00	METAL GLAZE	3 3K	5%	1/10W
R1261	1-216-033-00	METAL GLAZE	220	5%	1/10W (EXCEPT KV-27S36)
R1262	1-216-025-91	METAL GLAZE	220	5%	1/10W (EXCEPT KV-27S36)
R1263	1-216-033-00	METAL GLAZE	220	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1264	1-216-025-91	METAL GLAZE	100	5%	1/10W (EXCEPT KV-27S36)
R1265	1-216-033-00	METAL GLAZE	220	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1266	1-216-025-91	METAL GLAZE	100	5%	1/10W (EXCEPT KV-27S36)

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REF NO	PART NO	DESCRIPTION			REMARK
R1272	1-216-025-91	METAL GLAZE	100	5%	1/10W (KV-27S22/29RS22/29RS22C/29SD2/29PS2)
R1273	1-216-033-00	METAL GLAZE	220	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1274	1-216-025-91	METAL GLAZE	100	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1277	1-247-815-91	CARBON	220	5%	1/4W (EXCEPT KV-27S36)
R1278	1-247-815-91	CARBON	220	5%	1/4W (EXCEPT KV-27S36)
R1280	1-216-025-91	METAL GLAZE	100	5%	1/10W (EXCEPT KV-27S36)
R1282	1-216-025-91	METAL GLAZE	100	5%	1/10W (EXCEPT KV-27S36)
R1283	1-247-791-91	CARBON	22	5%	1/4W (KV-27S26/29RS26/29RS26C)
R1284	1-247-807-31	CARBON	100	5%	1/4W (EXCEPT KV-27S36)
R1286	1-216-049-91	METAL GLAZE	1K	5%	1/10W (EXCEPT KV-27S36)
R1287	1-216-049-91	METAL GLAZE	1K	5%	1/10W (EXCEPT KV-27S36)
R1288	1-247-807-31	CARBON	100	5%	1/4W (EXCEPT KV-27S36)
R1290	1-216-041-00	METAL GLAZE	470	5%	1/10W (EXCEPT KV-27S36)
R1291	1-216-045-00	METAL GLAZE	680	5%	1/10W (EXCEPT KV-27S36)
R1292	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W (EXCEPT KV-27S36)
R1293	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W (EXCEPT KV-27S36)
R1294	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1295	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1296	1-216-025-91	METAL GLAZE	100	5%	1/10W (KV-27S22/29RS22/29RS22C/29SD2/29PS2)
R1297	1-216-025-91	METAL GLAZE	100	5%	1/10W (KV-27S26/29RS26/29RS26C)
R1351	1-247-815-91	CARBON	220	5%	1/4W
R1352	1-247-815-91	CARBON	220	5%	1/4W
R1353	1-247-815-91	CARBON	220	5%	1/4W
R1354	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1355	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1356	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1357	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1358	1-247-807-31	CARBON	100	5%	1/4W
R1359	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1360	1-216-069-00	METAL GLAZE	6 8K	5%	1/10W
R1361	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R1362	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R1402	1-249-429-11	CARBON	10K	5%	1/4W (EXCEPT KV-27S36)
R1404	1-249-429-11	CARBON	10K	5%	1/4W (EXCEPT KV-27S36)
R1407	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1408	1-249-429-11	CARBON	10K	5%	1/4W (KV-27S36)
R1409	1-249-429-11	CARBON	10K	5%	1/4W (KV-27S36)
R1411	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1412	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1413	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1414	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1415	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1418	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1419	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1420	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1421	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1424	1-247-807-31	CARBON	100	5%	1/4W
R1425	1-247-807-31	CARBON	100	5%	1/4W

SWITCH

S001	1-692-431-21	SWITCH, TACTILE
S002	1-692-431-21	SWITCH, TACTILE
S003	1-692-431-21	SWITCH, TACTILE
S004	1-692-431-21	SWITCH, TACTILE
S005	1-692-431-21	SWITCH, TACTILE
S006	1-692-431-21	SWITCH, TACTILE
S007	1-692-431-21	SWITCH, TACTILE
S501	1-572-707-11	SWITCH, LEVER

TRANSFORMER

T501	1-437-210-11	TRANSFORMER, HORIZONTAL DRIVE
T502 ⚠	1-424-545-11	TRANSFORMER, FERRITE (PMT)
T503 ⚠	1-453-207-11	TRANSFORMER ASSY, FLYBACK (NX-2609//X4C)

TUNER

TU102 ⚠	8-598-340-00	TUNER BTF-WA404

CRYSTAL

X001	1-578-774-11	VIBRATOR, CRYSTAL
X353	1-567-505-11	OSCILLATOR, CRYSTAL
X354	1-577-611-11	OSCILALTOR, CERAMIC

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* A-1316-249-A G BOARD, COMPLETE (KV-27S22/27S26)
* A-1316-252-A G BOARD, COMPLETE (KV-29RS22C/29RS26C)
* A-1316-261-A G BOARD, COMPLETE (KV-27S36)
* A-1316-296-A G BOARD, COMPLETE (KV-29RS22/29RS26/29SD2/29PS2)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

REF.NO	PART NO.	DESCRIPTION	REMARK
C602	1-126-963-11	ELECT 4 7MF 20% 50V	(KV-29RS22C/29RS26C)
C603 ⚠	1-113-915-11	CERAMIC 0.001MF 20% 250V	
C604 ⚠	1-136-346-21	FILM 0.22MF 20% 125V	(KV-27S36)
C605 ⚠	1-136-346-21	FILM 0.22MF 20% 125V	(KV-27S22/27S26/27S36/29PS2/29SD2/29RS22/29RS26)
C605 ⚠	1-136-346-21	FILM 0.22MF 20% 300V	(KV-29RS22C/29RS26C)
C606 ⚠	1-115-388-11	ELECT 560MF 20% 200V	
C607 ⚠	1-115-388-11	ELECT 560MF 20% 200V	
C608	1-164-625-11	CERAMIC 680PF 10% 500V	(KV-27S22/27S26/27S36/29PS2/29SD2/29RS22/29RS26)
C608	1-164-645-11	CERAMIC 1000PF 10% 500V	(KV-29RS22C/29RS26C)
C609	1-136-173-00	FILM 0 47MF 5% 50V	
C610	1-136-173-00	FILM 0 47MF 5% 50V	
C611	1-136-169-00	FILM 0 22MF 5% 50V	
C612	1-136-169-00	FILM 0 22MF 5% 50V	
C613	1-164-645-11	CERAMIC 1000PF 10% 500V	
C614	1-164-645-11	CERAMIC 1000PF 10% 500V	
C615	1-136-759-11	FILM 0 039MF 5% 630V	
C617 ⚠	1-113-915-11	CERAMIC 0 001MF 20% 250V	(KV-27S26/27S22/27S36/29RS22C/29RS26C)
C626 ⚠	1-113-897-11	CERAMIC 100PF 10% 250V	(KV-29RS22C/29RS26C)
C641	1-126-943-11	ELECT 2200MF 20% 25V	
C642	1-126-767-11	ELECT 1000MF 20% 16V	
C643	1-107-641-11	ELECT 220MF 20% 160V	
C646	1-126-933-11	ELECT 100MF 20% 16V	
C647	1-128-551-11	ELECT 22MF 20% 25V	
C648	1-126-933-11	ELECT 100MF 20% 16V	
C651	1-137-366-11	FILM 0 0022MF 5% 50V	
C652	1-106-351-00	MYLAR 0 0022MF 99% 200V	
C653	1-107-636-11	ELECT 10MF 20% 160V	
C654	1-164-625-11	CERAMIC 680PF 10% 500V	
C655	1-164-625-11	CERAMIC 680PF 10% 500V	
C656	1-164-625-11	CERAMIC 680PF 10% 500V	
C657	1-164-625-11	CERAMIC 680PF 10% 500V	
C661	1-126-963-11	ELECT 4 7MF 20% 50V	(KV-27S26/27S22/27S36/29RS26/29PS/29SD2/29RS22)
C690	1-164-645-11	CERAMIC 1000PF 10% 500V	
C691	1-164-645-11	CERAMIC 1000PF 10% 500V	

CONNECTOR

CN601 *	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P
CN602 *	1-580-844-11	PIN, CONNECTOR (POWER)
CN641 *	1-564-515-11	PLUG, CONNECTOR 12P

DIODE

D601	8-719-911-19	DIODE 1SS119-25
D602 ⚠	8-719-510-53	DIODE D4SB60L
D603	8-719-911-19	DIODE 1SS119-25
D604	8-719-911-19	DIODE 1SS119-25
D605	8-719-911-19	DIODE 1SS119-25
D606	8-719-911-19	DIODE 1SS119-25
D607	8-719-911-19	DIODE 1SS119-25
D608	8-719-911-19	DIODE 1SS119-25
D609	8-719-911-19	DIODE 1SS119-25
D610	8-719-911-19	DIODE 1SS119-25
D615	8-719-028-45	DIODE D2L20U
D641	8-719-052-40	DIODE RBA-1004B
D643	8-719-028-45	DIODE D2L20U
D644	8-719-028-45	DIODE D2L20U
D645	8-719-028-45	DIODE D2L20U
D646	8-719-510-12	DIODE D10SC4M
D648	8-719-057-52	DIODE EZ0150AV1
D649	8-719-510-02	DIODE D1NS4
D650	8-719-510-02	DIODE D1NS4

FUSE

F601 ⚠	1-576-193-11	FUSE 6.3A/125V (KV-27S26/27S22/27S36/29RS26/29PS2/29SD2/29RS22)
F601 ⚠	1-576-193-11	FUSE 6 3A/250V (KV-29RS26C/29RS22C)
	1-533-223-11	HOLDER, FUSE (for F601)

FERRITE BEAD

FB601	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH
FB602	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH
FB641	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH
FB642	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH
FB643	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH
FB644	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
FB645	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH
FB646	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH
FB647	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH
FB648	1-410-397-21	FERRITE BEAD INDUCTOR 1 1UH

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REF.NO.	PART NO	DESCRIPTION				REMARK
		IC				
IC641	8-749-920-58	IC SI-3090CA				
IC642	8-759-701-56	IC NJM78M05FA				
IC643	8-749-012-13	IC DM-58				
		COIL				
L642	1-412-529-11	INDUCTOR	22UH			
L643	1-412-525-31	INDUCTOR	10UH			
		TRANSISTOR				
Q601 ⚠	8-729-019-49	TRANSISTOR 2SC4834MNP				(EXCEPT KV-29RS22C/29RS26C)
Q601 ⚠	8-729-019-50	TRANSISTOR 2SC4834NP (KV-29RS22C/29RS26C)				
Q602 ⚠	8-729-019-49	TRANSISTOR 2SC4834MNP				(EXCEPT KV-29RS22C/29RS26C)
Q602 ⚠	8-729-019-50	TRANSISTOR 2SC4834NP (KV-29RS22C/29RS26C)				
Q644	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q645	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q646	8-729-119-78	TRANSISTOR 2SC2785-HFE				(EXCEPT KV-29RS22C/29RS26C)
		RESISTOR				
R603 ⚠	1-219-776-11	CARBON	2.2M	10%	1/2W	(EXCEPT KV-29RS22C/29RS26C)
R603 ⚠	1-247-289-00	CARBON	8.2M	5%	1W	(KV-29RS22C/29RS26C)
R605	1-247-893-11	CARBON	390K	5%	1/4W	
R606	1-247-893-11	CARBON	390K	5%	1/4W	
R607 ⚠	1-202-933-61	FUSIBLE	0.1	10%	1/2W F	
R608 ⚠	1-216-369-00	METAL OXIDE	1	5%	2W F	(KV-29RS22C/29RS26C)
R608 ⚠	1-216-372-11	METAL OXIDE	1.8	5%	2W F	(EXCEPT KV-29RS22C/29RS26C)
R609	1-247-791-91	CARBON	22	5%	1/4W	
R610	1-247-791-91	CARBON	22	5%	1/4W	
R611 ⚠	1-216-369-00	METAL OXIDE	1	5%	2W F	(KV-29RS22C/29RS26C)
R611 ⚠	1-216-372-11	METAL OXIDE	1.8	5%	2W F	(EXCEPT KV-29RS22C/29RS26C)
R612	1-247-887-00	CARBON	220K	5%	1/4W	
R613	1-247-887-00	CARBON	220K	5%	1/4W	
R614	1-247-887-00	CARBON	220K	5%	1/4W	
R615	1-247-887-00	CARBON	220K	5%	1/4W	
R616	1-247-791-91	CARBON	22	5%	1/4W	
R617	1-247-791-91	CARBON	22	5%	1/4W	
R622 ⚠	1-212-958-00	FUSIBLE	10	5%	1/2W F	
R623 ⚠	1-243-032-11	WIREBOUND	3.9	5%	20W	(KV-29RS22C/29RS26C)
R623 ⚠	1-205-943-11	WIREWOUND	1	5%	20W	(EXCEPT KV-29RS22C/29RS26C)
R641	1-247-843-11	CARBON	3.3K	5%	1/4W	
R642	1-247-843-11	CARBON	3.3K	5%	1/4W	
R643	1-249-387-11	CARBON	3.3	5%	1/4W F	
R644 ⚠	1-215-882-00	METAL OXIDE	22	5%	2W F	
R645 ⚠	1-260-304-51	CARBON	10	5%	1/2W	(KV-29RS22C/29RS26C)
R646	1-216-369-00	METAL OXIDE	1	55	2W F	(KV-27S26/27S22/29RS26/29PS2/29SD2/29RS22)
R647	1-249-417-11	CARBON	1K	5%	1/4W	
R648	1-247-887-00	CARBON	220K	5%	1/4W	
R649	1-249-425-11	CARBON	4.7K	5%	1/4W F	
R652	1-249-421-11	CARBON	2.2K	5%	1/4W	
R659	1-249-429-11	CARBON	10K	5%	1/4W	(KV-29RS22C/29RS26C)
R661	1-249-413-11	CARBON	470	5%	1/4W F	
R662	1-249-429-11	CARBON	10K	5%	1/4W	
R663 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R664 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R665 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R666 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R667 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R668 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R670 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R671 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R672 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R678	1-247-863-91	CARBON	22K	5%	1/4W	(EXCEPT KV-29RS22C/29RS26C)
R679	1-247-863-91	CARBON	22K	5%	1/4W	(EXCEPT KV-29RS22C/29RS26C)
R680	1-249-429-11	CARBON	10K	5%	1/4W	(EXCEPT KV-29RS22C/29RS26C)
R681	1-249-407-11	CARBON	150	5%	1/4W	(EXCEPT KV-29RS22C/29RS26C)
		RELAY				
RY601 ⚠	1-755-018-11	RELAY (EXCEPT KV-27S36)				
RY601 ⚠	1-755-146-11	RELAY (KV-27S36)				
		TRANSFORMER				
T601 ⚠	1-426-717-11	TRANSFORMER, LINE FILTER (LFT)				(KV-27S26/27S22/27S36)
T602 ⚠	1-424-220-11	TRANSFORMER, LINE FILTER				(KV-27S26/27S22/27S36)
T602 ⚠	1-426-717-11	TRANSFORMER, LINE FILTER (LFT)				(KV-29RS26/29PS2/29SD2/29RS22/29RS22C/29RS26C)
T603 ⚠	1-427-864-11	TRANSFORMER, CONVERTER (PRT)				
T605 ⚠	1-429-415-11	TRANSFORMER, CONVERTER (PIT)				

Note: The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified

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G C

REF NO.	PART NO.	DESCRIPTION	REMARK
		THERMISTOR	
THP601	⚠ 1-809-539-21	THERMISTOR, POSITIVE (EXCEPT KV-29RS26C/9RS22C)	
THP601	⚠ 1-809-827-11	THERMISTOR, POSITIVE (KV-29RS26C/9RS22C)	
		VARISTOR	
VDR601	1-810-974-21	VARISTOR	

C

* A-1331-549-A C BOARD, MOUNTED

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C1765	1-102-116-00	CERAMIC	680PF	10%	50V
C1766	1-102-117-00	CERAMIC	820PF	10%	50V
C1767	1-102-116-00	CERAMIC	680PF	10%	50V
C1775	1-102-116-00	CERAMIC	680PF	10%	50V
C1776	1-102-117-00	CERAMIC	820PF	10%	50V
C1777	1-102-116-00	CERAMIC	680PF	10%	50V
C1785	1-102-116-00	CERAMIC	680PF	10%	50V
C1786	1-102-117-00	CERAMIC	820PF	10%	50V
C1787	1-102-116-00	CERAMIC	680PF	10%	50V
C1790	1-102-129-00	CERAMIC	0 01MF	10%	50V
C1791	1-126-933-11	ELECT	100MF	20%	16V
C1793	1-107-651-11	ELECT	4.7MF	20%	250V
C1795	1-102-074-00	CERAMIC	0 001MF	10%	50V
C1797	1-106-375-12	MYLAR	0 022MF	99%	200V
C1798	1-106-375-12	MYLAR	0.022MF	99%	200V
C1799	1-162-114-00	CERAMIC	0 0047MF		2KV

CONNECTOR

CN1761*	1-564-509-11	PLUG, CONNECTOR 6P
CN1764*	1-564-507-11	PLUG, CONNECTOR 4P
CN1765	1-695-915-11	TAB (CONTACT)
CN1766	1-695-915-11	TAB (CONTACT)

DIODE

D1761	8-719-991-33	DIODE 1SS133T-77
D1762	8-719-991-33	DIODE 1SS133T-77
D1763	8-719-991-33	DIODE 1SS133T-77
D1771	8-719-991-33	DIODE 1SS133T-77
D1772	8-719-991-33	DIODE 1SS133T-77
D1773	8-719-991-33	DIODE 1SS133T-77
D1781	8-719-991-33	DIODE 1SS133T-77
D1782	8-719-991-33	DIODE 1SS133T-77
D1783	8-719-991-33	DIODE 1SS133T-77
D1790	8-719-991-33	DIODE 1SS133T-77
D1792	8-719-983-14	DIODE MTZJ-T-77-3 9

JACK

J1761	⚠ 1-251-388-11	SOCKET, CRT

COIL

L1790	1-410-667-31	INDUCTOR	22UH

TRANSISTOR

Q1761	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q1762	8-729-326-11	TRANSISTOR 2SC2611
Q1763	8-729-200-17	TRANSISTOR 2SA1091-O
Q1771	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q1772	8-729-326-11	TRANSISTOR 2SC2611
Q1773	8-729-200-17	TRANSISTOR 2SA1091-O
Q1781	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q1782	8-729-326-11	TRANSISTOR 2SC2611
Q1783	8-729-200-17	TRANSISTOR 2SA1091-O
Q1790	8-729-119-76	TRANSISTOR 2SA1175-HFE

RESISTOR

R1760	1-260-105-11	CARBON	3.3K	5%	1/2W
R1761	1-247-807-31	CARBON	100	5%	1/4W
R1763	1-249-409-11	CARBON	220	5%	1/4W F
R1764	⚠ 1-216-486-00	METAL OXIDE	8.2K	5%	3W F
R1765	1-249-411-11	CARBON	330	5%	1/4W
R1766	1-249-393-11	CARBON	10	5%	1/4W
R1767	1-249-429-11	CARBON	10K	5%	1/4W
R1768	1-249-411-11	CARBON	330	5%	1/4W
R1770	1-260-105-11	CARBON	3 3K	5%	1/2W
R1771	1-247-807-31	CARBON	100	5%	1/4W
R1773	1-249-409-11	CARBON	220	5%	1/4W F
R1774	⚠ 1-216-486-00	METAL OXIDE	8 2K	5%	3W F
R1775	1-249-407-11	CARBON	150	5%	1/4W
R1776	1-249-393-11	CARBON	10	5%	1/4W
R1777	1-249-429-11	CARBON	10K	5%	1/4W
R1780	1-260-105-11	CARBON	3 3K	5%	1/2W
R1781	1-247-807-31	CARBON	100	5%	1/4W
R1783	1-249-409-11	CARBON	220	5%	1/4W F
R1784	⚠ 1-216-486-00	METAL OXIDE	8 2K	5%	3W F
R1785	1-249-407-11	CARBON	150	5%	1/4W
R1786	1-249-393-11	CARBON	10	5%	1/4W
R1787	1-249-429-11	CARBON	10K	5%	1/4W
R1789	1-249-437-11	CARBON	47K	5%	1/4W
R1792	1-247-815-91	CARBON	220	5%	1/4W
R1793	1-247-863-91	CARBON	22K	5%	1/4W

SC **UV**

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REF.NO.	PART NO	DESCRIPTION			REMARK
R1794	1-249-417-11	CARBON	1K	5%	1/4W
R1795	1-260-087-11	CARBON	100	5%	1/2W
R1796 ⚠	1-216-374-00	METAL OXIDE	2.7	5%	2W F
R1797	1-260-123-11	CARBON	100K	5%	1/2W

SC

* **A-1390-585-A SC BOARD, MOUNTED (KV-27S36 ONLY)**

CONNECTOR

CN104	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P			
CN105	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P			

UV

* **A-1394-863-A UV BOARD, COMPLETE (KV-27S36 ONLY)**

CAPACITOR

C231	1-163-031-11	CERAMIC CHIP	0 01MF		50V
C232	1-136-161-00	FILM	0 047MF	5%	50V
C233	1-136-161-00	FILM	0 047MF	5%	50V
C234	1-126-960-11	ELECT	1MF	20%	50V
C235	1-126-960-11	ELECT	1MF	20%	50V
C236	1-136-161-00	FILM	0 047MF	5%	50V
C237	1-126-960-11	ELECT	1MF	20%	50V
C238	1-126-960-11	ELECT	1MF	20%	50V
C261	1-136-161-00	FILM	0 047MF	5%	50V
C262	1-104-664-11	ELECT	47MF	20%	25V
C263	1-136-161-00	FILM	0 047MF	5%	50V
C264	1-126-941-11	ELECT	470MF	20%	25V
C265	1-104-664-11	ELECT	47MF	20%	25V
C266	1-126-960-11	ELECT	1MF	20%	50V
C267	1-126-960-11	ELECT	1MF	20%	50V
C270	1-126-960-11	ELECT	1MF	20%	50V
C271	1-126-960-11	ELECT	1MF	20%	50V
C273	1-136-165-00	FILM	0.1MF	5%	50V
C274	1-163-031-11	CERAMIC CHIP	0 01MF		50V
C276	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C301	1-126-935-11	ELECT	470MF	20%	16V

FILTER BLOCK

CM301	1-467-554-21	FILTER BLOCK, COMB

CONNECTOR

CN261	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P
CN262	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P
CN263 *	1-564-506-11	PLUG, CONNECTOR 3P
CN264	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P

DIODE

D231	8-719-110-17	DIODE RD10ESB2
D232	8-719-110-17	DIODE RD10ESB2
D233	8-719-110-17	DIODE RD10ESB2
D234	8-719-110-17	DIODE RD10ESB2
D235	8-719-110-17	DIODE RD10ESB2
D236	8-719-110-17	DIODE RD10ESB2
D240	8-719-110-17	DIODE RD10ESB2
D241	8-719-110-17	DIODE RD10ESB2
D242	8-719-110-17	DIODE RD10ESB2
D243	8-719-110-17	DIODE RD10ESB2
D244	8-719-110-17	DIODE RD10ESB2
D264	8-719-110-17	DIODE RD10ESB2
D265	8-719-110-17	DIODE RD10ESB2

IC

IC261	8-759-366-78	IC MM1313AD

JACK

J231	1-750-515-11	TERMINAL BLOCK, S 3P
J232	1-774-746-11	JACK BLOCK, PIN
J233	1-774-747-11	JACK BLOCK, PIN

CHIP CONDUCTOR

JR151	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR152	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR201	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR204	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR205	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR206	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR208	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR209	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR210	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR211	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR212	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR213	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR214	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR215	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR216	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR217	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR218	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR219	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR220	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR221	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR222	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR223	1-216-295-91	CONDUCTOR, CHIP	(2012)

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UV

REF.NO.	PART NO.	DESCRIPTION			REMARK
JR226	1-216-295-91	CONDUCTOR, CHIP (2012)			
JR228	1-216-295-91	CONDUCTOR, CHIP (2012)			
JR261	1-216-295-91	CONDUCTOR, CHIP (2012)			
JR262	1-216-295-91	CONDUCTOR, CHIP (2012)			
		JUMPER WIRE			
JW226	1-249-389-11	CARBON	4.7	5%	1/4W
JW280	1-249-385-11	CARBON	2 2	5%	1/4W
		TRANSISTOR			
Q243	8-729-216-22	TRANSISTOR 2SA1162-G			
Q261	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q262	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q263	8-729-216-22	TRANSISTOR 2SA1162-G			
Q265	8-729-216-22	TRANSISTOR 2SA1162-G			
		RESISTOR			
R212	1-249-440-11	CARBON	82K	5%	1/4W
R225	1-247-815-91	CARBON	220	5%	1/4W
R226	1-247-815-91	CARBON	220	5%	1/4W
R227	1-249-440-11	CARBON	82K	5%	1/4W
R228	1-216-033-00	METAL GLAZE	220	5%	1/10W
R229	1-216-025-91	METAL GLAZE	100	5%	1/10W
R230	1-216-033-00	METAL GLAZE	220	5%	1/10W
R231	1-216-022-00	METAL GLAZE	75	5%	1/10W
R232	1-216-022-00	METAL GLAZE	75	5%	1/10W
R233	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R234	1-216-022-00	METAL GLAZE	75	5%	1/10W
R235	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R236	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R237	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R238	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R239	1-216-022-00	METAL GLAZE	75	5%	1/10W
R240	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R241	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R242	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R243	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R244	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R245	1-249-417-11	CARBON	1K	5%	1/4W
R246	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R247	1-249-417-11	CARBON	1K	5%	1/4W
R260	1-247-807-31	CARBON	100	5%	1/4W
R264	1-247-815-91	CARBON	220	5%	1/4W
R265	1-247-815-91	CARBON	220	5%	1/4W
R266	1-216-043-91	METAL GLAZE	560	5%	1/10W
R267	1-249-415-11	CARBON	680	5%	1/4W
R268	1-216-025-91	METAL GLAZE	100	5%	1/10W
R269	1-216-025-91	METAL GLAZE	100	5%	1/10W
R270	1-216-041-00	METAL GLAZE	470	5%	1/10W
R271	1-249-415-11	CARBON	680	5%	1/4W
R272	1-249-417-11	CARBON	1K	5%	1/4W
R275	1-249-425-11	CARBON	4 7K	5%	1/4W
R276	1-249-425-11	CARBON	4 7K	5%	1/4W
R277	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R279	1-216-025-91	METAL GLAZE	100	5%	1/10W
R280	1-216-033-00	METAL GLAZE	220	5%	1/10W
R281	1-216-033-00	METAL GLAZE	220	5%	1/10W
R282	1-216-025-91	METAL GLAZE	100	5%	1/10W
R283	1-216-025-91	METAL GLAZE	100	5%	1/10W
R284	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R285	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W
R286	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R288	1-247-815-91	CARBON	220	5%	1/4W
R289	1-247-815-91	CARBON	220	5%	1/4W
R290	1-247-815-91	CARBON	220	5%	1/4W
R291	1-216-025-91	METAL GLAZE	100	5%	1/10W
R293	1-216-025-91	METAL GLAZE	100	5%	1/10W
R294	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R304	1-249-417-11	CARBON	1K	5%	1/4W

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REF.NO.	PART NO.	DESCRIPTION	REMARK

MISCELLANEOUS

⚠	1-406-726-81	COIL, DEMAGNETIC (KV-29RS22C/29RS26C)	
⚠	1-411-899-11	COIL, DEMAGNETIC (EXCEPT KV-29RS22C/29RS26C)	
	1-452-032-00	MAGNET,DISC	
	1-504-531-11	SPEAKER (13.1X6.2CM)	
*	1-556-945-21	CABLE, P-P (KV-27S36)	
*	1-557-056-31	CABLE, P-P (KV-27S36)	
*	4-052-905-01	V5/6 BRACKET (KV-27S36)	
	8-598-414-00	ANTENNA SWITCH AS-2F (KV-27S36)	
⚠	1-751-059-11	CORD, POWER (WITH CONNECTOR) 10A/250V	(EXCEPT KV-29RS22C/29RS26C)
⚠	1-769-796-41	CORD, POWER (WITH CONNECTOR) 10A/125V	(KV-29RS22C/29RS26C)
⚠	8-451-275-42	DEFLECTION YOKE Y28PFA	
⚠	8-733-848-05	CRT 29PXD (SD-268) (EXCEPT 29RS22C/29RS26C)	
⚠	8-733-849-05	CRT 29PXD (SD-268) (29RS22C/29RS26C)	
⚠	1-453-207-11	TRANSFORMER ASSY, FLYBACK (NX-2609//X4C)	

ACCESSORIES AND PACKING MATERIALS

	3-859-518-21	MANUAL, INSTRUCTION (KV-27S26/27S36)	
	3-859-518-23	MANUAL, INSTRUCTION (KV-27S22)	
	3-859-518-41	MANUAL, INSTRUCTION (29RS26/29RS26C)	
	3-859-518-43	MANUAL, INSTRUCTION	(KV-29RS22/29RS22C/29SD2/29PS2)
*	4-041-277-01	INDIVIDUAL CARTON (KV-27S22/27S26/27S36)	
*	4-048-944-01	INDIVIDUAL CARTON	(KV-29RS22/29RS22C/29RS26/29RS26C)
*	4-060-350-01	INDIVIDUAL CARTON (KV-29SD2)	
*	4-060-351-01	INDIVIDUAL CARTON (KV-29PS2)	
*	4-041-255-01	BAG, PROTECTION	
*	4-052-382-01	CUSHION (UPPER) (ASSY)	
*	4-052-383-01	CUSHION (LOWER) (ASSY)	

REMOTE COMMANDER

	1-473-748-31	REMOTE COMMANDER (RM-Y135A)	(KV-27S22/29RS22/29RS22C/29SD2/29PS2)
	1-473-749-31	REMOTE COMMANDER (RM-Y136A)	(KV-27S26/27S36/29RS26/29RS26C)
	4-978-977-01	LID, BATTERY COVER (for RM-Y135A/136A)	

NOTES:

9-965-833-01

Sony Corporation
Sony Technology Center
Product Quality Division
Service Promotion Department

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